THE UNIVERSITY BULLETINS NUMBER 9

APRIL 25, 1902

THE UNIVERSITY

OF

NORTH CAROLINA

THE CATALOGUE

1901-1902

APPLICATION MADE FOR ENTRY AS SECOND CLASS MATTER AT THE POST OFFICE AT CHAPEL HILL

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CALENDAR.

1902.

September 8–13.	*Monday to Saturday.* Examinations for the Removal of Conditions.
September 8, 9, 10.	*Monday, Tuesday, Wednesday.* Examinations for Admission into the College.
September 8, 9, 10.	*Monday, Tuesday, Wednesday.* Registration.
September 11.	*Thursday.* Lectures begin.
September 13.	*Saturday.* Assignment of Rooms.
October 12.	UNIVERSITY DAY.
November 27.	*Thursday.* THANKSGIVING DAY.

CHRISTMAS. RECESS from December 23, 1902, to January 2, 1903.

1903.

January 2, 3, 5.	*Friday, Saturday, Monday.* Registration.
January 5.	*Monday.* Lectures begin.
January 7.	*Wednesday.* Assignment of Rooms.
February 22.	WASHINGTON'S BIRTHDAY.
May 31.	*Sunday.* Baccalaureate Sermon.
June 2.	*Tuesday.* Debate by Representatives from the Dialectic and Philanthropic Literary Societies.
June 2.	*Tuesday.* Meeting of the Board of Trustees.
June 2.	*Tuesday.* The Address to the Alumni.
June 2.	*Tuesday.* Senior Class Day.
June 3.	*Wednesday.* Senior Speaking.
June 3.	*Wednesday.* Commencement.

SUMMER VACATION from Commencement to the Second Thursday in September.

THE UNIVERSITY.

FOUNDATION AND GOVERNMENT. The University was established in obedience to the first Constitution of the State, which was adopted in December, 1776. A clause of Section XLI declared that "all useful learning shall be duly encouraged, and promoted in one or more universities." The Charter was granted by the General Assembly in 1789, the corner stone of the Old East Building was laid in 1793 and the University was opened in 1795.

The title, preamble and first section of the Act of incorporation are as follows:

An Act *to Establish a University in this State.*

"WHEREAS in all well regulated Governments, it is the indispensable Duty of every Legislature to consult the Happiness of a rising Generation, and endeavor to fit them for an honourable Discharge of the social Duties of Life, by paying the strictest Attention to their Education: And whereas an University supported by permanent Funds, and well endowed, would have the most direct Tendency to answer the above Purpose:

"I. *Be it therefore enacted by the General Assembly of the State of North-Carolina, and it is hereby enacted by the Authority of the same,* That *Samuel Johnston, James Iredell, Charles Johnson, Hugh Williamson, Stephen Cabarrus, Richard Dobbs Spaight, William Blount, Benjamin Williams, John Sitgreaves, Frederick Hargett, Robert Snead, Archibald Maclaine,* Honourable *Samuel Ashe, Robert Dixon, Benjamin Smith,* Honourable *Samuel Spencer, John Hay, James Hogg, Henry William Harrington, William Barry Grove,* Reverend *Samuel M'Corkle, Adlai Osborne, John Stokes, John Hamilton, Joseph Graham,* Honourable *John Williams, Thomas Person, Alfred Moore, Alexander Mebane, Joel Lane, Willie Jones, Benjamin Hawkins, John Haywood,* senior, *John Macon, William Richardson Davie, Joseph Dixon, William Lenoir, Joseph M'Dowell, James Holland* and *William Porter,* Esquires, shall be and they are hereby declared to be a Body politic and corporate to be known and distinguished by the name of *The*

Trustees of the University of North Carolina;* and by that name shall have perpetual Succession and a common Seal; and that they the Trustees and their Successors, by the Name aforesaid, or a Majority of them, shall be able and capable in Law to take, demand, receive and possess all Monies, Goods and Chattels that shall be given them for the Use of the said University, and the same apply according to the Will of the Donors, and by Gift, Purchase or Devise to take, have, receive, possess, enjoy and retain to them and their Successors forever, any Lands, Rents, Tenements and Hereditaments, of what Kind, Nature or Quality soever the same may be, in special Trust and Confidence that the same or the Profits thereof shall be applied to and for the Use and Purpose of establishing and endowing the said University."†

The University is governed by a board of trustees elected by the Legislature, and is free from sectional, sectarian, or political control. The Governor of the State is *ex-officio* President of the Board of Trustees.

Article IX of the Constitution of 1876 contains the following provisions regarding the University:—

"Sec. 6. The General Assembly shall have power to provide for the election of Trustees of the University of North Carolina, in whom, when chosen, shall be vested all the privileges, rights, franchises and endowments thereof, in anywise granted to or conferred upon the Trustees of said University; and the General Assembly may make such provisions, laws and regulations from time to time as may be necessary and expedient for the maintenance and management of said University.

"Sec. 7. The General Assembly shall provide that the benefits of the University, as far as practicable, be extended to the youth of the State free of expense for tuition; also that all the property which has heretofore accrued to the State, or shall hereafter accrue, from escheats, unclaimed dividends, or distributive shares of the estates of deceased persons, shall be appropriated to the use of the University."

Location. The seat of the University is Chapel Hill, Orange County, twenty-eight miles northwest of Raleigh. Two daily passenger trains run between Chapel Hill and University Junction, a station on the North Carolina Railroad. The site for the institution was selected because of its

* The corporate name has been changed to The University of North Carolina.
† Laws of the State of North Carolina, published by James Iredell, Edenton, MDCCXCI.

healthfulness, its freedom from malaria, its supply of pure water, its beautiful sceuery and its central position in the State.

EQUIPMENT. The University campus contains forty-eight acres of land, affording ample grounds for buildiugs and for all sorts of athletic sports. The University owns, coutiguous to the campus, five hundred acres of forest land, which is partly laid off iuto walks and drives. The Uuiversity has sixteen buildings.

The South Building contains two lecture rooms and thirty dormitories.

The Old East Building contains two lecture rooms and tweuty-eight dormitories.

The Old West Building coutains two lecture rooms, the Historical Museum and twenty-nine dormitories.

Person Hall contains the Chemical Laboratory and museum and a lecture room.

Gerrard Hall is used for moruing prayers, for the meetings of the Young Men's Christiau Associatiou and for public lectures.

Smith Hall contains the College Library aud the reading rooms.

The New West Building contains the Dialectic Literary Society's Hall, the Pharmaceutical Laboratory, two lecture rooms and nine dormitories.

The New East Building contains the Philanthropic Literary Society's Hall, the Biological Laboratory aud Museum, the Geological Laboratory aud Museum, the Physiological Laboratory, the offices of the North Carolina Geological Survey aud three lecture rooms.

Memorial Hall commemorates the illustrious dead of the University. It is used duriug the session as a gymnasium, and at Commencement for public exercises.

The Alumni Hall contains the offices of admiuistration, the Physical Laboratory and ten lecture rooms.

The Carr Building, the gift of Gen. J. S. Carr, contains forty-two dormitories fitted with every modern convenience.

The Mary Ann Smith Building contains forty dormitories of the most modern type.

The Dissecting Hall, for the use of the Medical School, is apart from the other buildings.

The Infirmary contains five rooms which are properly furnished for the care and treatment of the sick.

Commons is the dining hall of the University. The whole enterprise was made possible through the beneficence of Mrs. Frederick Baker, of New York. Board is furnished at eight dollars a month. Students wait upon the tables.

The Power House contains the electric lighting plant, the central heating plant, the reservoir, filter and pumps of the system of water supply, and the rooms of the University Press.

The general equipment has been improved by a thorough system of sewers and baths, a supply of pure water in all buildings, and steam heat in all the offices, recitation rooms and dormitories.

College Year. The College year begins on the second Thursday in September. Commencement is held on Wednesday before the first Thursday in June. The summer vacation begins at Commencement, and ends on the Wednesday before the second Thursday in September. There is a Christmas recess of about ten days. The twelfth of October (University Day), Thanksgiving Day, and the twenty-second of February (Washington's Birthday) are holidays.

Degrees. The degrees of Bachelor of Arts, Bachelor of Philosophy, Bachelor of Science, Master of Arts, Master of Science, Doctor of Philosophy, Bachelor of Laws and Graduate in Pharmacy are conferred by the vote of the Trustees, after the recommendation of the Faculty, upon candidates who have satisfied the requirements of residence and study at the Uni ersity. Students who are not candidates for a degree may elect any studies they wish, devoting their time entirely to one or two subjects, or selecting groups of such subjects as suit their tastes and purposes.

Graduate Students. Free instruction is offered in the College to graduates of colleges and universities. Women are now admitted to the higher courses of the University.

Physical Culture. Hearty encouragement is given to athletic sports and to all kinds of physical culture. The athletic field furnishes ample facilities for football and baseball. The Lake Track is admirably adapted for running, bicycling and general track athletics. Fifteen tennis courts are located on the campus. Systematic exercise in Memorial Hall under a

skilled instructor is required of all students in the College, except Seniors.

General Culture. The University endeavors to furnish such general culture outside the lecture rooms and laboratories as will broaden the minds and sympathies of young men.

Religious Culture. Prayers are conducted in Gerrard Hall, with the reading of the scriptures, and singing every weekday morning at 8:30 o'clock. Attendance at this service is required of all members of the College, unless specially excused. Bible classes for young men are taught in each of the four churches of the village every Sunday. Religious exercises are held twice a week, or oftener in each church. A series of sermons is delivered annually by the University Preachers, chosen by the Trustees from the various denominations. Bible lectures are delivered every Sunday morning in Gerrard Hall. The Young Men's Christian Association meets twice a week, in Gerrard Hall, for prayer and other services.

Discipline. The University endeavors to make young men manly and self-reliant, and to develop character by educating the conscience. The Faculty may, at their discretion, admonish, suspend or dismiss students for neglect of duty or for misconduct.

Medical Attendance. On the payment of a small annual fee, each student receives the careful attention of the University Physician. In this way the best medical advice is to be had at the least cost.

TRUSTEES.

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1905.

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*The legal term of office expires November 30 of the year indicated.

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WILLIE THOMAS PATTERSON,
Bursar.

CHARLES THOMAS WOOLLEN,
Registrar.

JOHN FRANK PICKARD.
Superintendent of Buildings.

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The President is a member, *ex officio*, of all committees.

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Professors GORE, WILSON, BATTLE, ALEXANDER, HUME and NOBLE.

On Auditing

Professors Toy and Cain.

On Athletics

Professor BASKERVILLE and MR. GRAHAM.

On Catalogue and Like Publications

Professors LINSCOTT, GORE and ALEXANDER.

On Commons

Professors TOY and WILLIAMS and DR. HENDERSON.

On the Library

Professor ALEXANDER.

On the Publication of the Record

Professor ALEXANDER.

On the Professional Schools

Professors MACRAE, WHITEHEAD and HOWELL.

On Substitutions and Petitions

Professors GORE, LINSCOTT, CAIN and TOY.

On the University Magazine

Professors COBB, HUME and ALEXANDER.

On the Young Men's Christian Association

Professors HUME and BATTLE and MR. MCKIE.

On Public Lectures

Professors BASKERVILLE and ALEXANDER.

On Debates

Professors HUME, WILLIAMS and RAPER.

On Self Help

Professor WILLIAMS and MR. LATTA.

On the University Press

DR. WILSON.

THE COLLEGE.

REQUIREMENTS FOR ADMISSION.

Admission into the Freshman Class.

Candidates for admission into the Freshman Class are admitted by examination or by certificate. Examinations for admission are held in September. The University admits, without examination, students who present certificates from the principals of their schools. These certificates must be on the blank form, provided on application to the Registrar. The right is reserved to examine students, when, in the opinion of the President, such a course is necessary.

All certificates of work accomplished at preparatory schools or colleges must be examined and approved by the instructors in the departments concerned, and deposited with the Registrar, before such work can be officially recognized.

Subjects Accepted for Entrance.

There are now eight subjects which may be offered for entrance to the University. Each applicant is required to be prepared in *five* of these subjects. The selection of these will depend upon the course of study to be pursued after admission.

The requirements in each of these eight subjects are as follows:—

1. Greek. Three books of Xenophon's Anabasis, with questions on the more usual forms and construction; simple narrative in English, based upon Xenophon's Anabasis, to be translated into Greek.

2. Latin. Two books of Cæsar's Gallic War; four orations of Cicero; six books of Vergil's Aeneid; Latin Grammar, including prosody; simple narrative in English, based upon the prose read, to be translated into Latin.

3. English. Grammar. Elements of Rhetoric. Every candidate is required to write a short composition, correct in spelling, punctuation, grammar, and division into paragraphs, upon one of several subjects announced at the time of the examination.

The candidate is expected to read all the books named, and to give evidence in his composition that he is acquainted with the important parts of the book from which the subject of his composition is taken, and with the life of the author.

The entrance examinations in 1902 and 1903 will be based upon the following books:—

For reading and practice: The Merchant of Venice, Pope's Iliad, books 1, 6, 22 and 24, The Coverley Papers in the Spectator, Goldsmith's Vicar of Wakefield, Scott's Ivanhoe, Cooper's The Last of the Mohicans, Lowell's Vision of Sir Launfal, George Eliot's Silas Marner. For class study and practice: Macbeth, Milton's Comus, L'Allegro and Il Penseroso, Burke's Speech on Conciliation with America, Macaulay's Essays on Milton and Addison.

4. History. A student may offer either of the following courses for examination:—

a. The histories of the United States, Greece and Rome as outlined in the best text books for high schools.

b. The histories of the United States and England as outlined in the best text books for high schools.

5. Mathematics: A good working knowledge of Arithmetic, including fundamental operations (particularly on common and decimal fractions), compound numbers, percentage, interest and extraction of square root. Problems that are much more easily solved by algebra are not included here. The whole of a high school algebra and a college algebra to quadratics. The first three books of Plane Geometry.

6. German: A thorough knowledge of the inflections, including the most common strong verbs; acquaintance with the ordinary laws of German syntax; such facility in translation as is gained by a careful study of at least 150 duodecimo pages of ordinary modern German prose; ability to translate into German simple sentences based on the passage assigned for examination; accurate pronunciation.

7. French: Similar to the requirements stated for German, save that the applicant should have read at least 200 duodecimo pages of ordinary modern French prose.

It is recommended that the preparation for the entrance requirements in German and French be extended over two full school years, with four re-

citation periods per week, so as to allow time for short lessons with dictation exercises, oral practice and frequent reviews.

8. PHYSICS: One year of Physics may be offered for entrance to the courses leading to the degrees of Bachelor of Philosophy and Bachelor of Science. The applicant must have completed an elementary course such as Gage's "Principles of Physics" or its equivalent. Certificates from High Schools and Academies will materially lessen the scope of the entrance examination.

Grouping of Subjects.

All candidates for admission to the Freshman Class must offer preparation in Mathematics, in English and in History. Two additional subjects must then be offered. The choice of subjects will depend upon the course of study to be followed. These subjects are:—

1. For the degree of Bachelor of Arts, the requirement in Greek and the requirement in Latin.

2. For the degree of Bachelor of Philosophy, the requirement in Greek or in Latin and the requirement in German, in French, or in Physics.

3. For the degree of Bachelor of Science, the requirement in German or in French and the requirement in Physics.

When applicants have had no preparation in Physics or in German and French, the requirement may be satisfied by pursuing the corresponding courses in college. But these studies must be taken in addition to the requirements for the degree.

Examinations.

All candidates for admission into the Freshman Class in any course leading to a degree must assemble in Gerrard Hall at 9 A. M. *Monday, September 8*, for preliminary registration. They will there be assigned to rooms for examination.

ORDER OF EXAMINATIONS.

Monday, September 8.

10-1. Latin. 3-5. History and Geography.

Tuesday, September 9.

10-1. Mathematics. 3-5. English.

Wednesday, September 10.

10-1. Greek and Physics. 3-5. French and German.

Arrangements have been made with certain schools in the state whereby examinations for admission may be held in May also, at the schools.

A student who fails to pass in any subject required for admission will be conditioned in that subject. Such conditions must be removed before the beginning of the Sophomore year. He will receive no final mark in the department in which such condition occurs until the condition is removed. Nor will he be admitted to the work of the Sophomore year in any department until all entrance conditions are removed.

Admission to Advanced Standing.

A candidate for advanced standing may be admitted to the Sophomore, Junior or Senior class, with or without complete examination. He is subject not only to the examinations required of candidates for admission into the Freshman Class, but to special examinations both in all the required studies already pursued by the class which he desires to enter, and in as many elective studies as would have been required of him as a member of that class. When satisfied with the apparent fitness of the candidate, the examining committee may, in spite of his deficiencies in some studies, admit him to an advanced class; but a candidate so admitted is not recommended for a degree until his deficiencies are made good. The examining committee may accept also, with proper restrictions, the official report of work satisfactorily completed at a college or university of good standing in place of an examination upon such previous work.

A candidate for advanced standing should present himself for examination on the same days and at the same hours with candidates for admission into the Freshman Class.

Admission of Students Not Candidates for a Degree.

A person who desires to take up a course of study, without becoming a candidate for a degree, may be admitted into the College upon the presentation of a certificate from the college or university last attended, or by passing satisfactory examinations on at least three subjects required for entrance. English must be one of the subjects offered. A candidate so admitted enjoys the same privileges with other members of the college, and is subject to the same regulations.

COURSES LEADING TO DEGREES.

The College prescribes three courses of study, of four years each, leading respectively to the degrees of Bachelor of Arts (A.B.), Bachelor of Philosophy (Ph.B.), and Bachelor of Science (S.B.). The studies of the Freshman and Sophomore years are fixed in each course. Required and elective studies amounting to a total of fifteen hours a week are prescribed in the Junior and Senior years. The courses are as follows:—

I. BACHELOR OF ARTS.

Freshman Year.

Required Studies: Greek 1(4)*; Latin 1(4); English 1(3); Mathematics 1(4).

Sophomore Year.

Required Studies: English 2(3); Mathematics 2(3); one study from the following group: Greek 2(3), Latin 2(3); one study from the following group: Chemistry 1(3), Physics 1(3); one study from the following group: Greek 2(3), Latin 2(3), German 1(3), French 1(3).

Junior Year.

Required Studies: One study from the following group: Philosophy 1(3), Economics 1(2), History 5(3); one study from the following group: Greek, Latin, German, French.

Elective Studies: Any studies in the College except those required of Freshmen in any course leading to a degree.

*Numerals in parenthesis indicate number of hours in each course.

Senior Year.

REQUIRED STUDIES: Each graduate must have completed before graduation at least nine hours of connected work in one department.

ELECTIVE STUDIES: Any studies in the College except those studies required of Freshmen and Sophomores in any course leading to a degree.

II. BACHELOR OF PHILOSOPHY.

Freshman Year.

REQUIRED STUDIES: English 1(3); Mathematics 1(4); History 1(3); one study from the following group: Greek 1(4), Latin 1(4); one study from the following group: German 1 or 2 (3), French 1 or 2 (3).

Sophomore Year.

REQUIRED STUDIES: English 2(3); Mathematics 2(3); one study from the following group: Greek 2(3), Latin 2(3); one study from the following group: German 1 or 2(3), French 1 or 2(3); one study from the following group: Chemistry 1(3), Physics 1(3).

Junior Year.

REQUIRED STUDIES: One study from the following group: Philosophy 1(3), Economics 1(2), History 5(3); one study from the following group: Physics, Chemistry, Biology, Geology.

ELECTIVE STUDIES: Any studies in the College except those required of Freshmen in any course leading to a degree.

Senior Year.

REQUIRED STUDIES: Each graduate must have completed before graduation at least nine hours of connected work in one department.

ELECTIVE STUDIES: Any studies in the College except those required of Freshmen and Sophomores in any course leading to a degree.

III. BACHELOR OF SCIENCE.

Freshman Year.

REQUIRED STUDIES: English 1(3); Mathematics 1(4); Geology 1(3); History 1(3); one study from the following group: German 1 or 2(3), French 1 or 2(3).

Sophomore Year.

REQUIRED STUDIES: English 2(3); Mathematics 2(3); Chemistry 1(3); Physics 1(3); one study from the following group: German 1 or 2(3), French 1 or 2(3).

Junior Year.

REQUIRED STUDIES: One study from the following group: Philosophy 1(3), Economics 1(2), History 5(3); one study from the following group: Biology 1(5), Geology 3(3).

ELECTIVE STUDIES: Any study in the college.

Senior Year.

REQUIRED STUDIES: Each graduate must have completed before graduation at least nine hours of connected work in one department.

ELECTIVE STUDIES: Any studies in the College except those required of Freshmen and Sophomores in any course leading to a degree.

COURSES FOR STUDENTS NOT CANDIDATES FOR A DEGREE.

Elective courses of study may be selected by students who are unable to complete any of the three courses leading to a degree. Students intending to pursue these elective courses must prove their qualifications according to the regulations on page 24. After satisfying these entrance requirements, they may elect such studies as they are qualified to pursue. These elective

courses may be so arranged as to include studies preparatory to teaching or to the study of law or medicine.

For students intending to teach the following course has been arranged:

First Year: English 1, Mathematics 1, History 1, Pedagogy 1, 3 and 5; one study from the following group: Latin 1, Greek 1, French 1, German 1.

Second Year: English 2, Physics 1 or Chemistry 1, Pedagogy 2, 4 and 6. Electives amounting to a total of six hours from the following group: German, French, Greek, Latin, Mathematics, Geology and Physiology, History.

COURSES OF INSTRUCTION.

GREEK.

EBEN ALEXANDER, PH.D., LL.D., *Professor of the Greek Language and Literature.*

WILLIAM STANLEY BERNARD, A.B., *Instructor in Greek.*

For Undergraduates.

Professor ALEXANDER and MR. BERNARD.

1. Homer's Iliad, books I., II. and VI. Review of important grammatical principles. Lysias, selected speeches. Reading at sight. *Four hours a week.*

   Required of candidates for the degree of Bachelor of Arts.

   Elective with Latin 1 as a requirement of candidates for the degree of Bachelor of Philosophy.

2. Plato, Apology and Crito. Aristophanes, Frogs. Euripides, Alcestis. Reading at sight. Lectures on Greek literature. *Three hours a week.*

   Elective with Latin 2 as a requirement of candidates for the degree of Bachelor of Arts or Bachelor of Philosophy.

3. Prose Composition, elementary course. *One hour a week.*

   Intended as supplementary to Greek 1.

Primarily for Undergraduates.

Professor ALEXANDER.

4. Lectures on old Greek Life. History of Greek Art, text-book and lectures. *Two hours a week.*

5. Modern Greek. Rangabé's Handbook. Bikélas's Stories. Newspapers. *Two hours a week (spring term).*

6. Homer, rapid reading of the entire Odyssey. *Two hours a week.*

9. Demosthenes, three Philippics. *Two hours a week (spring term).*

For Graduates and Specially Qualified Undergraduates.

7. Greek Drama: Euripides, Medea; Sophocles, Œdipus Tyrannus; Æschylus, Prometheus Bound; Aristophanes, Clouds; Aristotle, Poetics. *Three hours a week.*

8. Prose Composition, advanced course. *Two hours a week (fall term).*

10. Plato, the Gorgias and selections from other dialogues. *Two hours a week (fall term).*

11. Greek History: the selections from Greek Historians in parts I. and II. of Baumeister's *Quellenbuch zur Alten Geschichte. Two hours a week (spring term).*

A certificate is granted to a student who has completed with credit courses 1, 2 and 3, and four hours of elective work.

LATIN.

HENRY FARRAR LINSCOTT, PH.D., *Professor of the Latin Language and Literature.*

THOMAS JAMES WILSON, JR., PH.D., *Instructor in Latin.*

For Undergraduates.

Professor LINSCOTT and Dr. WILSON.

1. Cicero, de Senectute and de Amicitia. Livy, Book XXI. Horace, the Odes and Epodes. *Four hours a week.*

Required of candidates for the degree of Bachelor of Arts.

Elective with Greek 1 as a requirement of candidates for the degree of Bachelor of Philosophy.

2. Horace, Satires and Epistles. Plautus, Captivi, Terence, Adelphi, Tacitus, Agricola and Germania. The social forces in Roman civilization. The history of Roman literature. *Three hours a week.*

Elective with Greek 2 as a requirement of candidates for the degree of Bachelor of Arts or Bachelor of Philosophy.

Dr. Wilson.

3. Prose Composition. Translation from English into Latin. *One hour a week.*

Intended as supplementary to Latin 1.

Professor Linscott.

7. Roman Private Life. Lectures and illustration by photographs and stereopticon. *Two hours a week (fall term).*

Open to Juniors and Seniors, and to Sophomores who are taking Latin 2.

8. Roman Civilization: its character and elements. Provincial administration and Roman influence in the provinces. Lectures. *Two hours a week (spring term).*

Elective under same conditions as Latin 7.

For Undergraduates and Graduates.

4. Catullus, selected poems. Lucretius, de rerum natura. *Two hours a week.*

5. Pliny, selected letters. Juvenal, Satires. Martial, selected Epigrams. *Two hours a week.*

To be omitted in 1902-1903.

Dr. Wilson.

6. Cicero. The philosophical works (de Officiis and Tusculan Disputations). The rhetorical works (Brutus and de Oratore). *Two hours a week.*

Professor Linscott.

10. A course for teachers. Pronunciation. Prosody. The art of reading Latin. A classification of the moods and tenses. *Two hours a week.*

For Graduates.

11. The study of a particular author or period in Roman literature. Wide reading and written reports. *Two hours a week.*

Dr. Wilson.

12. The Latin language. Phonology and Morphology or Syntax. Comparative study. *Two hours a week.*

A certificate is granted to a student who has completed with credit courses 1 and 2 and five hours of elective work.

GERMANIC LANGUAGES AND LITERATURES.

Walter Dallam Toy, M.A., *Professor of the Germanic Languages and Literatures.*

Palmer Cobb, Ph.B., *Instructor in German.*

German.

For Undergraduates.

Professor Toy and Mr. Cobb.

1. Elementary Course. Grammar. Written exercises. Translation, sight reading, dictation. *Three hours a week.*

Required in the Freshman year of candidates for the degree of Bachelor of Science, who offer French at entrance.

Elective in the Freshman year with French 1 or 2, as a requirement of candidates for the degree of Bachelor of Philosophy.

Elective in the Sophomore year with Greek 2, Latin 2, or French 1, as a requirement of candidates for the degree of Bachelor of Arts.

Professor Toy.

2. Advanced Course. Translation. Sight reading. Composition. Dictation. Grammar. Lectures on Literature. *Three hours a week.*

Elective with French 1 or 2 in the Sophomore year, as a requirement of candidates for the degree of Bachelor of Science.

German Literature.

For Undergraduates and Graduates.

3. History of German Literature. Lectures. Collateral reading. Themes. *Three hours a week.*

A certificate is granted to students who have completed with credit courses 1, 2, and 3.

Germanic Philology.

4. Middle High German. *Three hours a week.*

5. Old High German. *Three hours a week.*

6. Gothic. *Three hours a week.*

Courses 5 and 6 will be omitted in 1901-02.

ROMANCE LANGUAGES AND LITERATURES.

James Dowden Bruner, Ph.D., *Associate Professor of Romance Languages and Literatures.*

Palmer Cobb, Ph.B., *Instructor in French.*

French.

For Undergraduates.

Associate Professor Bruner and Mr. Cobb.

1. Elementary Course. Grammar. Pronunciation. Written exercises. Rapid reading of easy prose. Reading at sight. *Three hours a week.*

   Required, in the Freshman year, of candidates for the degree of Bachelor of Science who offer German at entrance.

   Elective in the Freshman year with German 1 or 2, as a requirement of candidates for the degree of Bachelor of Philosophy.

   Elective in the Sophomore year with Greek 2, Latin 2 or German 1, as a requirement of candidates for the degree of Bachelor of Arts.

Associate Professor Bruner.

2. The History of French Literature of the Nineteenth Century. Rapid reading of representative novels and dramas. Collateral reading. *Three hours a week.*

   Elective with German 1 or 2, in the Sophomore year, as a requirement of candidates for the degree of Bachelor of Science.

   Open only to candidates who have completed Course 1.

For Undergraduates and Graduates.

Associate Professor BRUNER.

3. The history of French Literature in the seventeenth century. Rapid reading of representative dramas. Collateral reading. *Three hours a week.*

Open to those who have completed course 1 or 2.

4. Old French Language and Literature, with special reference to the French element in English. Rapid reading of old French texts. Lectures on the history of French sounds and inflections. *Three hours a week.*

Open only to those who have completed courses 2 or 3.

A certificate is granted to those who have completed with credit courses 1, 2, and 3 or 4.

Spanish.

For Undergraduates and Graduates.

Associate Professor BRUNER.

1. Elementary Course. Grammar. Pronunciation. Written exercises. Rapid reading of prose. Reading at sight. *Three hours a week.*

ENGLISH.

THOMAS HUME, D.D., LL.D., *Professor of English Literature.*
CHARLES ALPHONSO SMITH, PH.D., *Professor of the English Language.*
EDWARD KIDDER GRAHAM, PH.B., *Instructor in English.*
GEORGE MCFARLAND MCKIE, *Instructor in Expression and in English.*
JAMES KING HALL, A.B., *Assistant in English.*

For Undergraduates.

Messrs. GRAHAM and MCKIE.

1. Rhetoric and composition. *Three hours a week.*

Required, in the Freshman year, of all candidates for a degree.

Mr. Graham.

2. English composition. Advanced course, intended for those who have completed the work of course 1. *Three hours a week.*

Required, in the Sophomore year, of all candidates for a degree.

Professor Hume.

3. Poetics. The Old Ballads, Longer English Poems. Special study of Tennyson. Southern Poets. The drama studied in Shakespeare's English History Plays. History of English Literature. Critical Theses. *Two hours a week.*

Professor Smith and Mr. Graham.

4. Essays and Orations. Lectures on the essay and oration as forms of discourse. Representative essayists and orators read and analyzed. Construction of essays and orations. *Two hours a week.*

Professor Hume.

5. The history and philosophy of literature. Chaucer's Canterbury Tales. Shakespeare's comedies and tragedies. Marlowe and Ben Jonson. Milton's Paradise Lost. Wordsworth. Taine's History of Literature. Theses. *Two hours a week.*

Professor Smith.

6. Introduction to English Philology. An elementary course in philology, Old English prose, Middle English prose and verse, and the general principles of language growth. *Two hours a week.*

For Undergraduates and Graduates.

7. Old English and Middle English. A study by lectures and readings of the development of the English language and literature from the earliest period to the year 1500. *Two hours a week.*

For Graduates.

Professor Hume.

8. Poetry and Criticism. A study of the art of poetry in general and of the principles of criticism. *Two hours a week.*

9. The rise and progress of the drama from the Mystery Plays to the sev-

enteenth century. Ward's Dramatic Literature. Symond's Predecessors of Shakspere. Manly's Pre-Shaksperian Plays and special editions. *Two hours a week.*

10. Dramatic Seminary. The language, metrical forms, sources of plot and incident, construction of plays, comparative study of Shakespeare and other dramatists. *Two hours a week.*

11. The literary study of the Bible. Critical survey of the Psalms, Job, Isaiah, Proverbs. Influence of the Bible on literary development and form. *Two hours a week.*

Professor SMITH.

12. The Evolution of English Syntax. A survey of the work of Paul, Wülfling, Bréal and Jespersen. Application to the syntax of Modern English. Original investigations. *Two hours a week.*

Professor HUME.

13. The development of fiction from the Greek romances to Scott. English Romanticism. *Two hours a week.*

Professor SMITH.

14. The Historical Novel. Discussion of the origin and development of English historical fiction. Courses of reading ending in a study of the novels and short stories illustrative of North Carolina history. *Two hours a week.*

A certificate is granted to a student who has completed courses 1–6 and one of the courses for graduates.

Expression.

Mr. MCKIE.

1. Declamation. Theory and practice. Voice culture and gestures. *One hour a week.*

2. Theory of debate. Analysis of debates. Preparation of briefs. Theses. Lectures, prepared and extemporaneous. *One hour a week.*

Open to all who have completed Expression 1.

The full course of one hour a week for two years will be counted as one hour for one year toward a degree.

PHILOSOPHY.

HENRY HORACE WILLIAMS, A.M., B.D., *Professor of Philosophy.*

For Undergraduates.

Professor WILLIAMS.

1. Psychology. Lectures, with text-books. Theses. *Three hours a week.*
   Elective, in the Junior year, with Economics 1 and History 5 as a requirement of all candidates for a degree.
2. Logic. Lectures, with text-books. The study of logic in life. *Two hours a week.*
3. Ethics. Criticisms and Discussions. *Two hours a week.*
4. Philosophy. Lectures. Theses. Study of the forces that shape life. *Three hours a week.*

For Graduates.

5. Epistemology. Lectures. Theses. A study of the Critical Philosophy. First year: Prolegomena and Practical Reason and the works that prepared the way for Kant. Second year: *Kritik der reinen Vernunft. Three hours a week.*
   Elective to students who have taken courses 3 and 4.

HISTORY.

KEMP PLUMMER BATTLE, LL.D., *Alumni Professor of History.*
CHARLES LEE RAPER, PH.D., *Associate Professor of History.*
MARCUS CICERO STEPHENS NOBLE, *Professor of Pedagogy.*

For Undergraduates.

Professor NOBLE.

1. American History. A general course. Texts and Source-book, supplemented by lectures. *Three hours a week.*
   Required, in the Freshman year, of all candidates for the degrees of Bachelor of Science and Bachelor of Philosophy.

Associate Professor RAPER.

2. Mediæval History. A general course covering the period 400-1648. Text-books, readings and lectures. *Two hours a week.*

Professor BATTLE.

3. Ancient History. Greece and Rome. Text-books and lectures. *Two hours a week.*

   Given 1901-1902.

4. Modern European History. A general course covering the period 1648-1900. Text-books and lectures. *Two hours a week.*

   Given 1902-1903.

5. English History. A general survey of the political and constitutional development. Text-book, with lectures and reports. *Three hours a week.*

   Elective, in the Junior year, with Philosophy 1 and Economics 1, as a requirement of all candidates for a degree.

6. North Carolina History. The political and constitutional development of the Colony and State. Lectures. Theses on assigned topics required. *Two hours a week.*

7. Constitutional History. A general survey of the history and principles of the constitutions of the leading nations, ancient and modern. A special study of the constitution of the United States, with the principal judicial decisions thereon. Also lectures on the leading principles of International Law. *Three hours a week.*

8. Bible History. 1902-1903. Old Testament characters. Lectures each Sunday morning at the instance of the Young Men's Christian Association. Not counted for a degree.

For Graduates

Professor BATTLE and Associate Professor RAPER.

9. Historical Seminary. Original research in the history of the United States and of North Carolina. Weekly reports required. *Two hours a week.*

   Elective to graduates, or special students who have passed six hours with honor or have shown special fitness.

   Other courses will be prescribed for advanced work.

   A certificate is granted upon the completion of courses 1, 5, 6, 7 and 9.

ECONOMICS AND FINANCE.

CHARLES LEE RAPER, PH.D., *Associate Professor of Economics.*

Associate Professor RAPER.

1. Economics. A general course. Marshall's Principles of Economics, supplemented by lectures and readings. *Two hours a week.*

   Elective, in the Junior year, with Philosophy 1 and History 5, as a requirement of all candidates for a degree.

2. Economics. (a) Finance. Adams' The Science of Finance, supplemented by lectures and readings. *Two hours a week for the first half-year.* (b) A Study in Tariff, Trusts, Railroad Transportation, Foreign Commerce, and Labor Unions in the United States. Lectures and readings. *Two hours a week for the second half-year.*

3. Economics. Economic and Fiscal History, in England and the United States. Lectures, readings and reports. *Two hours a week.*

   Courses 1 and 2 are open to Juniors and Seniors. Course 3 open to Seniors and graduate students.

   A certificate is granted upon the completion of courses 1, 2 and 3.

MATHEMATICS.

WILLIAM CAIN, C.E., *Professor of Mathematics.*
ARCHIBALD HENDERSON, PH.D., *Instructor in Mathematics.*
RICHARD NIXON DUFFY, *Assistant in Mathematics.*
MARVIN HENDRIX STACY, *Assistant in Mathematics.*

For Undergraduates.

Professor CAIN and Dr. HENDERSON.

1. Plane and Solid Geometry, from Book IV to end (Wells). Algebra, from Quadratics to end (Wentworth's College Algebra). *Four hours a week.*

   Required, in the Freshman year, of all candidates for a degree.

2. Plane and Spherical Trigonometry, with Logarithms (Crockett). Analytic Geometry (Tanner and Allen). *Three hours a week.*

Required, in the Sophomore year, of all candidates for a degree.

For Undergraduates and Graduates.

Dr. HENDERSON.

3. Descriptive Geometry (Willson). Surveying (Raymond). *Three hours a week.*

Professor CAIN.

4. Elements of Solid Analytic Geometry. Differential and Integral Calculus. *Three hours a week.*

Dr. HENDERSON.

5. Theory of Equations (Burnside and Panton). Determinants (Weld). *Three hours a week.*

Professor CAIN.

6. Differential Equations (Murray). Higher Trigonometry (Lock). *Three hours a week.*

Prerequisite, course 4.

7. Analytic Mechanics (Bowser). Hydraulics (Merriman). *Three hours a week.*

Prerequisite, course 4.

Dr. HENDERSON.

8. Projective Geometry (Reye, Cremona). *Three hours a week.*

Professor CAIN.

9. Mechanics of Materials. Stresses in Bridge and Roof Trusses (Merriman, Johnson, Cain). *Three hours a week.*

Prerequisite, course 7.

10. Graphical Statics. Theory of Arches. *Three hours a week.*

Prerequisite, course 7.

11. Advanced Conic Sections (Salmon, Smith). Trilinear Co-ordinates (Ferrers). *Three hours a week.*

For Graduates Only.

Dr. HENDERSON.

12. Solid Analytic Geometry (Smith, Salmon, Frost). *Two hours a week.*
Prerequisite, course 4.

13. Modern Analytic Geometry (Scott, Whitworth). *Two hours a week.*
Prerequisite, course 11.

Professor CAIN.

14. Advanced Differential and Integral Calculus (Byerly, Edwards, Lectures). *Two hours a week.*
Prerequisite, course 4.

15. Quaternions.

Courses 3, 4, 5, 7, 8, 9 and 14 are offered for 1902-'03.

A certificate is granted to a student who has completed, with high grade, courses 1, 2 and 4.

PHYSICS.

JOSHUA WALKER GORE, C.E., *Professor of Physics.*
JAMES EDWARD LATTA, A.M., *Instructor in Physics.*

Mr. LATTA.

Elementary Physics. Lectures, recitations, weekly written reviews. *Three hours a week.*

Required of candidates for the degrees of Bachelor of Philosophy and Bachelor of Science who have not offered Physics in satisfaction of the entrance requirement in the subject.

For Undergraduates.

Professor GORE.

1. Physics. A general course. Lectures with text-book. Laboratory work (with Mr. Latta). *Three hours a week.*

Required, in Sophomore year, of all candidates for the degree of Bachelor of Science.

Elective, in Sophomore year, with Chemistry 1, as a requirement of candidates for the degrees of Bachelor of Arts and Bachelor of Philosophy.

Mr. Latta.

2. Physics. Mechanics, including Statics and Dynamics. *Three hours a week.*

Professor Gore.

3. Physics. Heat, Heat Engines, Heating Systems, Steam Boilers, Pumps, etc. Lectures, text-books and laboratory. *Three hours a week.*

For Undergraduates and Graduates.

4. Physics. Electricity and Magnetism, Dynamics, Motors, Electric Lighting, Storage Batteries. Lectures, text-books and laboratory. *Three hours a week.*

5. Physics. Descriptive Astronomy. A general course with a brief history of Astronomy. *Two hours a week.*

For Graduates Only.

6. Physics. Heat and Light. *Two hours a week.*

7. Physics. Polyphase Electric Currents. Electrical Transmission of Power. *Three hours a week.*

A certificate is granted to a student who has completed courses 1, 2, 3, 4 and 5.

CHEMISTRY.

Charles Baskerville, Ph.D., *Smith Professor of General and Analytical Chemistry.*

Francis Preston Venable, Ph.D., *Professor of Theoretical Chemistry.*

Alvin Sawyer Wheeler, Ph.D., *Associate Professor of Organic Chemistry.*

James Edward Mills, Ph.D., *Instructor in Physical Chemistry.*

Royall Oscar Eugene Davis, Ph.B., *Assistant in Chemistry.*

Hugh Hammond Bennett, *Assistant in Chemistry.*

Brent Skinner Drane, *Assistant in Chemistry.*

For Undergraduates.

Professor BASKERVILLE, Dr. MILLS and Mr. DAVIS.

1. Descriptive Chemistry. Lectures, with laboratory work. A study of the elements and their compounds, including an introduction to organic chemistry. Laboratory work required. *Three hours a week.*

   Required, in the Sophomore year, of all candidates for the degree of Bachelor of Science.

   Elective, in the Sophomore year, with Physics 1, as a requirement of candidates for the degrees of Bachelor of Arts and Bachelor of Philosophy.

Professor BASKERVILLE.

2. Technical Chemistry.

   (a) Metallurgy. Mining, treatment of ores, smelting, chlorination, etc. *Three hours a week (fall term).*

   (b) Industrial and Agricultural Chemistry. Glass-making, acids, alkalies, phosphates, foods, clothing, hygiene, etc. *Three hours a week (spring term).*

Associate Professor WHEELER and Mr. BENNETT.

3. Qualitative Analysis. Laboratory work with lectures. *Two hours a week.*

Associate Professor WHEELER and Dr. MILLS.

4. Quantitative Analysis and Assaying. Laboratory work and Stoichiometry. A grounding in analytical methods. *Three hours a week.*

For Undergraduates and Graduates.

Associate Professor WHEELER.

5. Organic Chemistry. Lectures: *Two hours.* With laboratory work: *One or three hours a week.*

Professor VENABLE.

6. The theories of Chemistry. Lectures. *Two hours a week.*

Dr. MILLS.

7. Physical and Electro-Chemistry. Lectures and text-books, with laboratory work. Applications of electricity to chemical processes. *Three hours a week.*

Professor BASKERVILLE.

8. Quantitative Analysis. Laboratory work. Gas analysis and extension of course 4 in technical lines leading to research. *Five times a week.*

Journal Club meets Thursday afternoons for one hour. Reviews of the chemical journals and participation in the discussions required of students in courses 5, 6, 7, 8, 11 and 12.

A certificate is granted to a student who has completed all the above courses except 7 and submitted a thesis upon some research successfully carried out in the laboratory.

For Graduates.

Professor BASKERVILLE.

11. Research in Inorganic and Analytical Chemistry. *Six times a week.*

Associate Professor WHEELER.

12. Research in Organic Chemistry. *Six times a week.*

Required Courses in Medicine and Pharmacy.

Associate Professor WHEELER and Mr. DAVIS.

9. Qualitative Analysis and Toxicology. Laboratory work with Lectures: *Three hours a week.* (*Five and a half months.*) Second year.

Associate Professor WHEELER.

10. Physiological Chemistry including Urine Analysis. Lectures and laboratory work. *Three hours a week* (*three and a half months*). Second year.

BIOLOGY.

HENRY VAN PETERS WILSON, PH.D., *Professor of Biology.*

——— ——— ———, *Associate Professor of Botany.*

CLARENCE ALBERT SHORE, S.B., *Instructor in Biology.*

DORMAN STEELE THOMPSON, PH.B., *Assistant in Biology*

For Undergraduates.

Professor WILSON and Mr. SHORE.

1. General Biology. Introductory course. Fundamental principles worked out on selected animal and plant types. Lectures with laboratory work. *Five hours a week.*

   Elective, in the Junior year, with Geology 3, as a requirement of candidates for the degree of Bachelor of Science.

2. Mammalian Anatomy. Osteology and dissection of cat. May be pursued simultaneously with Biology 1. Laboratory work. *Three hours a week (fall term).*

3. Vertebrate Histology. Microscopic structure of principal tissues and organs. Elements of microscopic technique. May be pursued simultaneously with Biology 1. Lectures with laboratory work. *Three hours a week.*

4. Botany. Structure and habits of selected cryptogams and flowering plants. May be pursued simultaneously with Biology 1. Laboratory work. *Three hours a week (spring term).*

For Undergraduates and Graduates.

5. Zoölogy. Comparative anatomy of the chief invertebrate and vertebrate classes. Introduction to systematic zoölogy of a class. Lectures with laboratory work. *Three hours a week.*

6. Vertebrate Embryology. Maturation, fertilization, segmentation and formation of germ layers in nematode, amphibian and teleost eggs. Development of the characteristic vertebrate organs in chick embryos. Lectures with laboratory work. *Three hours a week (spring term).*

For Graduates.

Professor WILSON.

7. Animal Morphology. Advanced zoölogical work, with detailed study of problems in comparative anatomy or embryology. Laboratory

work with use of classical text-books and original memoirs. Thesis. *Five hours or more a week.*

A certificate is granted to a student who has completed with credit courses 1-6 inclusive.

GEOLOGY AND MINERALOGY.

Collier Cobb, A.M., *Professor of Geology and Mineralogy.*
Robert Gilliam Lassiter, *Assistant in Geology.*
Robert Arthur Lichtenthaeler, *Assistant in Geology.*

For Undergraduates.

Professor Cobb.

1. Elementary Geology. Lectures, with field work on the common minerals and rocks. *Three hours a week.*

   Required, in the Freshman year, of all candidates for the degree of Bachelor of Science.

2. Mineralogy. Lectures with laboratory and field work. Crosby's Tables and Dana's text-book of Mineralogy. *Two hours a week.*

3. General Critical Geology. Lectures with field work and laboratory work on rocks and fossils. Theses. *Three hours a week.*

   Elective, in the Junior year, with Biology 1 as a requirement of candidates for the degree of Bachelor of Science.

4. Economic Geology. Lectures with laboratory and field work. Ore deposits, economic minerals, soils, water supply. *Three hours a week.*

5. Petrography. Lectures, laboratory work and theses. *Two hours a week.*

For Graduates.

6. Advanced field work and special research in geology or geography.

Problems assigned individually and work adapted to the professional needs of the student. *Three hours a week.*

7. Research course in historical geology. *Three hours a week.*

Advanced students are permitted to accompany the instructors in field work during the holidays and in the summer.

In addition to the above courses, short series of lectures are from time to time given to the students of geology by members of the North Carolina Geological Survey.

A *Journal Club* meets fortnightly for review and discussion of current geological literature.

A certificate is granted to a student who has completed with credit courses 1 to 5 inclusive, and either 6 or 7.

PEDAGOGY.

MARCUS CICERO STEPHENS NOBLE, *Professor of Pedagogy.*

For Undergraduates.

Professor NOBLE.

1. The Science of Education. DeGarmo's Essentials of Method. The practical application of scientific principles to the teaching of elementary branches. A brief study of modern educational problems. *Three hours a week (fall term).*

2. The Art of Teaching. McMurray's General Method. A careful study of the principles and methods involved in successfully teaching those studies usually taught in the best public and private primary schools. *Three hours a week (spring term).*

Preparation of model lessons according to pedagogical principles has a place in both courses.

For Undergraduates and Graduates.

3. The General History of Education. The development of educational ideals in the past. The effect of pedagogical doctrines of the great

educators of the past upon modern educational systems. Seeley's History of Education. Monroe's Educational Ideal. *Three hours a week (fall term).*

4. The Philosophy of Education. Science and Practice of Education, Herbart. Comparative study of the different systems of education in the several States of the Union. The development and arrangement of a High School course. *Three hours a week (spring term).*

5. The study of childhood in transforming modern methods of studying and teaching educational science. *Two hours a week.*

6. Herbartian Pedagogy. *Two hours a week.*

The attempt is made in this course to investigate the Herbartian movement in Germany and the United States. The works of Rein, Story, Ziller, Lange and others are studied.

Given alternately with course 5.
Pedagogical theses will be required in all courses.

GRADUATE STUDENTS.

ADMISSION.

Graduates of the University of North Carolina and of other universities and colleges of good standing are, on application to the Faculty, ordinarily admitted to advanced courses of instruction, free of charge for tuition. An applicant for admission unless a graduate of the University of North Carolina, is required to present a certificate of scholarship and character, or his diploma, if he has a degree.

Graduate students are admitted to advanced courses in the College as well as to those courses especially provided for them. They enjoy the same privileges with other members of the University.

Applications for admission to higher courses of study should be presented at the beginning of the college year.

DEGREES.

The University offers to graduate students advanced work leading to the degrees of Master of Arts (A.M.), Master of Science (S.M.), and Doctor of Philosophy (Ph.D.).

Master of Arts.

Any Bachelor of Arts, or Bachelor of Philosophy of the University of North Carolina or any student holding one of these degrees from another University or College approved by the Faculty may become a candidate for the degree of Master of Arts by making written application to the President and Faculty and paying the University fees. The candidate shall complete satisfactorily one year of graduate work in residence. This year of graduate work shall include at least fifteen hours a week of recitations or lectures with one major and two minor courses forming a consistent plan of work

to be pursued with some definite aim. The number of minor courses may be increased to three by special action of the Faculty.

No course open to undergraduates below the junior year can be counted for the Master's degree. At least five hours of work must be chosen from courses designated "For Graduates," outlined in the Catalogue on pp. 29-48.

Bachelors of Philosophy who apply for the degree of Master of Arts must offer an ancient language as one of their subjects of study.

A thesis showing capacity for research and power of independent thought and based on the major subject of study, shall be submitted on or before May 1 of the given year.

Candidates who have received the Bachelor's degree from the University of North Carolina may be recommended for the Master's degree after at least two years of study, as non-resident students, the requirements being in all other respects the same as for resident students; and they must satisfy the Faculty by examinations and by their theses that they are worthy of recommendation for the degree. And the work must be completed within the period of two years for which the registration is granted; otherwise a second registration fee must be paid at the expiration of two years. The fee for non-resident students is ten dollars.

Master of Science.

The Faculty will recommend students for the degree of Master of Science under the same conditions outlined for the degree of Master of Arts. Candidates for the degree of Master of Science however are not required to offer an ancient language as one of their subjects of study.

Doctor of Philosophy.

A candidate for the degree of Doctor of Philosophy is required to pursue, in residence at the University, a prescribed course of advanced study and research. In general a term of three years is required, but the degree may be secured in two years in the case of exceptional preliminary training in the major subject.

These requirements of residence and study are, however, entirely secondary. The degree is conferred not simply for faithful study in a determinate field of work for a prescribed period, but because of a high attainment in a special branch of learning, which the candidate must have manifested not only by examination, but by a thesis which gives evidence of independent research, and contributes to knowledge. The candidate should choose his major subject in a department in which he has already pursued, for a considerable period, a systematic course of study. To receive this degree, a knowledge of French and German will be found indispensable in most instances. The thesis must be accepted before the candidate may be admitted to examination. The examinations are both written and oral. They demand a minute knowledge of a special field of work as well as a general acquaintance with the department of learning in which the candidate offers himself for the degree.

Honorary Degrees.

No honorary degrees are conferred by the University of North Carolina.

ADMISSION OF WOMEN.

Graduates and advanced students from institutions for the training of women will be admitted to the Graduate School and to such higher courses of instruction as the Faculty may direct. They will be admitted on the same conditions with men and enjoy the same privileges. Graduates of accredited institutions receive free tuition. Others will be charged a fee according to the amount of work taken.

PECUNIARY AID AND EXPENSES.

MEDALS AND PRIZES.

THE HOLT MEDAL IN MATHEMATICS. (Established in 1874.) A gold medal is offered by J. Allen Holt and Martin H. Holt, the principals of Oak Ridge Institute, to that student who shall take the highest rank in Mathematics 3. No student will be recommended for the medal unless he attain to grade 2.

THE HUME MEDAL IN ENGLISH COMPOSITION. (Established in 1890.) A gold medal is offered by Professor Thomas Hume to that member of the Senior Class who shall present the best essay or thesis on some distinctly literary subject.

THE MANGUM MEDAL IN ORATORY. (Established in 1878.) The Misses Mangum, of Orange county, offer in memory of their father, Willie Person Mangum, a gold medal to that member of the Senior Class who shall deliver the best oration at Commencement.

THE BINGHAM PRIZE IN DEBATE. This prize is offered by R. W. Bingham, Esq., in memory of his great-grandfather, grandfather, father and brother. It is open to any student of the University and given annually for excellence in debate. The contestants are representatives of the Literary Societies, and the contest is held Tuesday night of Commencemen week.

THE HILL PRIZE IN HISTORY. (Established in 1896.) A prize of fifteen dollars is offered by John Sprunt Hill, of New York City, a member of the Class of 1889, for the best thesis on some phase of the history of North Carolina, the subject to be selected by the Professor of History.

THE KERR PRIZE IN GEOLOGY AND MINERALOGY. (Established in 1889.) A prize of fifty dollars is offered by William H. Kerr, of Baltimore, Md., in memory of his father, Professor Washington Caruthers Kerr, to any undergraduate or gradnate student, for the best thesis containing original work in the geology or mineralogy of North Carolina.

THE GREEK PRIZE. (Established in 1887.) A prize of ten dollars is offered to that member of the Sophomore Class who shall present the best rendering into English of selected passages of Greek not previously read.

THE WORTH PRIZE IN PHILOSOPHY. (Established in 1883.) Mr. Charles Williams Worth, in memory of his father, David Gaston Worth, of the class of 1853, will print the best thesis submitted by a student in Philosophy 4.

THE EARLY ENGLISH TEXT SOCIETY PRIZE. A special prize is offered by the Early English Text Society, of London, for advanced work in Anglo-Saxon and Middle English.

THE BRYAN PRIZE. In 1903 and thereafter a prize will be given annually for the best thesis in Political Science. This prize has been established by Mr. William Jennings Bryan.

THE LIBRARY PRIZES. In 1903 two prizes of the value of $5 and $10 respectively will be awarded to the two members of the class of 1904 who do best work upon the Library General Reading Course.

THE MAGAZINE PRIZES. Prizes are given for the best essay and the two best pieces of fiction published in the University Magazine.

SCHOLARSHIPS.

THE CAMERON SCHOLARSHIPS. (Established in 1892.) The heirs of Paul Carrington Cameron founded, in his memory, ten scholarships of the value of sixty dollars each.

THE DIALECTIC AND PHILANTHROPIC LITERARY SOCIETIES' SCHOLARSHIPS. (Established in 1893.) The Dialectic and Philanthropic Literary Societies of the University founded two scholarships of the value of sixty dollars each, recipients of which shall give assistance in the Library.

THE MOORE SCHOLARSHIPS. (Established in 1881.) Bartholomew Figures Moore, of Raleigh, bequeathed five thousand dollars, the interest of which shall be devoted to paying the tuition of students.

THE MARY ANN SMITH SCHOLARSHIPS. (Established in 1891.) Miss Mary Ann Smith bequeathed thirty-seven thousand dollars for the founda-

tion of scholarships, the number of scholarships to be determined by the amount of income.

THE MARY RUFFIN SMITH SCHOLARSHIPS. (Established in 1885.) Miss Mary Ruffin Smith bequeathed to the University, in memory of her brother, Dr. Francis Jones Smith, a valuable tract of land in Chatham county, of about fourteen hundred and sixty acres, known as Jones' Grove. The will provides that "the rents of the land, or the interest of the purchase money, if sold, shall be used to pay the tuition of such poor students as the faculty shall appoint."

THE SPEIGHT SCHOLARSHIPS. (Established in 1895.) The late Mrs. Mary Shepherd Speight bequeathed ten thousaud dollars to the University. The income shall be used to pay the tuition of needy students; but if tuition is ever made free, the income shall be used towards paying the salaries of the professors.

THE WOOD SCHOLARSHIP. (Established in 1892.) Mrs. Mary Sprunt Wood, of Wilmingtou, has founded in memory of her late husband, Dr. Thomas Fanning Wood, a scholarship of the value of sixty dollars.

THE WEIL SCHOLARSHIP. (Established in 1898.) This fund, established by Henry Weil, of Goldsboro, furnishes one scholarship of the value of sixty dollars.

THE ARMFIELD SCHOLARSHIP. (Established in 1901.) This scholarship of sixty dollars is given by Eugene M. Armfield, of High Point.

THE ALUMNI SCHOLARSHIPS. These scholarships have been established by the gifts of the Alumni. A scholarship will be awarded for each one thousand dollars given.

By the terms of these bequests no scholarships may be given to students of the professional schools of Law, Medicine and Pharmacy.

All applications for scholarships must be filed in the President's Office on or before August 15, and must be iu the regular form prescribed by the University. Blank forms are supplied ou application to the Registrar.

FREE TUITION.

By an act of the Legislature in 1887, free tuition is given, in the College, to candidates for the ministry, to the sons of ministers, to young men

under bodily infirmity, to teachers and young men preparing to teach. This enables the University to aid most effectively the public school teachers of the state.

LOAN FUNDS.

The Deems Fund. (Established in 1879.) A fund of six hundred dollars was established by Dr. Charles F. Deems, late pastor of the Church of the Strangers, New York City, formerly a Professor in the University, in memory of his son, Lieutenant Theodore Disosway Deems. In 1881 the fund was greatly enlarged, through the munificence of Mr. William H. Vanderbilt, by a gift of ten thousand dollars, "as an addition to the Deems fund, to be loaned to indigent students of the University."

Applications for loans will not be considered unless accompanied by testimonials from responsible persons as to poverty and merit. The funds are limited in amount and are loaned only on the security of two approved signatures and at the legal rate of interest.

By the terms of these bequests no loans may be made to students in the professional schools of Law, Medicine and Pharmacy.

All applications for loans must be filed in the President's Office on or before August 15.

EXPENSES.

Every effort is made to reduce to the lowest point the necessary expenses of an education at the University. The charges for each of the two terms are as follows:—

Tuition fee	$30.00
Registration fee	5.00
Medical and Infirmary fee	3.00
Gymnasium fee	1.25
Library fee	2.00
Total	$41.25

Students taking courses in the laboratories are charged a small fee for materials. The library fee is one dollar a term for members of the Dialectic and Philanthropic Literary Societies. Good board is furnished at Commons for eight dollars a month. A few students earn their board at Commons by waiting on the tables. In private clubs board may be reduced to a minimum of six dollars a month. The entire annual expenses need not exceed three hundred dollars, and they may be reduced to two hundred dollars.

Every student must keep on deposit with the Bursar two dollars as security for damages. Willful damage to University property is charged to the perpetrator, if known; otherwise it is assessed upon all students of the University. Any balance is returned to the student at the end of the year.

From a number of itemized reports handed in by students the following averages have been drawn. These give total expenses, exclusive of clothes and travelling. The averages were taken in three classes. The first includes those who pay no tuition and wait at Commons, thus having no board to pay. The minimum expense account given under this heading was $57.00, the average $63.60. Secondly, the average expenses of those who pay board but no tuition was $144.61. Lastly the average expenses of those who pay both board and tuition was $265.25, the maximum being $500.00.

It is confidently believed that no institution offers wider opportunities of self-help to meritorious students of slender means. The desire is that no worthy boy, however poor, shall ever be turned away for lack of means. To such the University and town offer unusual opportunities for support. Many students are now working their way through college by every form of honorable labor. A number are here as the result of money earned or borrowed. Fifty are aided by loans, and over nine hundred have received aid from the University in loans and scholarships in the past twenty years. A few students are selected by the authorities as waiters at Commons. Otherwise all opportunities, though available in the college and town, must be secured by the personal effort of the individual. They are not assigned by the President.

DORMITORY ACCOMMODATIONS.

The University buildings contain one hundred and seventy-four double rooms, available for the accommodation of students. The rooms in the Mary Ann Smith Building are furnished: all other rooms are unfurnished but there is no charge for service in addition to the rents. All rooms are fitted with electric lights. For these a fee of 75 cents per month is charged. If the room has two occupants the price is one half that sum. Room rent ranges from 75 cents to $2.75 per month for each occupant, the price depending upon the location of the room.

All the buildings of the University are heated by steam, according to the most approved methods. In the dormitories the charge for heat will be $1.00 per month for each room or 50 cents for each occupant of a room.

REGULATIONS REGARDING STUDENTS.

REGISTRATION AND ASSIGNMENT OF ROOMS.

All students are expected to present themselves for registration on *Monday, Tuesday* or *Wednesday, September 8, 9* or *10, 1902,* and *Friday, Saturday* or *Monday, January 2, 3* or *5, 1903,* between the hours of 9 A. M. and 4 P. M., at the office of the Registrar.

A student who presents himself for registration after the dates and times named shall pay a fee of two dollars in addition to the regular fee.

Rooms for 1902-1903 will be assigned on *Saturday, September 13, 1902,* and on *Wednesday, January 7, 1903.* Students desiring to retain their rooms in the college buildings must give formal notice to the Bursar before May 20th. Previous occupants of rooms, if not present to claim them at the times and places annually designated for the assignment of rooms, will forfeit their rights to such rooms.

According to the contract for rooms, it is provided that the occupants shall be responsible for all damages committed in or upon the room during their occupancy, as well as for damage committed by them upon any University property; and that any malicious or wanton damage or any malicious or wanton or repeated disturbance of college order shall be a forfeiture of all right to dwell in a college building. The President reserves also the right to require any student whom for any reason he considers an undesirable tenant to vacate a room in the college buildings.

The President may by official disapproval of any boarding-place in the village require students to avoid such boarding place.

STANDING.

Semi-annual reports of the standing of all students in all the studies of

the previons term are sent to parents or guardians, based upon the following scale of marking:—

Grade 1, 95–100 per cent.
Grade 2, 90–95 per cent.
Grade 3, 80–90 per cent.
Grade 4, 70–80 per cent.
Grade 5, 50–70 per cent.
Grade 6, below 50 per cent.

Stndents must attain a grade of at least 4 to pass in any stndy; those receiving grade 6 in any stndy mnst take such stndy over again with a class.

No stndent shall be allowed to take less than 15, nor more than 18 hours of class-room work per week withont special permission of the Faculty or the President.

Students desiring to change their courses mnst make written application to the President for the desired change. The application will be considered by the President and the instructors in the departments concerned and will be granted only after a careful consideration of the facts in each case. No changes will be permitted after the first two weeks of the term, except such as are granted after application to, and approval by the Faculty.

A student who at the close of the period of special examinations in September is deficient by an amonnt equal to eight hours of class-room work for a year shall be ranked with the next lower class.

A stndent who has failed to pass all the examinations of the year in any college study may not take a higher class in that department until he make good his deficiency.

ABSENCES.

In any term, absences are connted from the first regular meeting of each class. In no case will a stndent be considered present at any class nnless he has been regularly registered as a member of that class. Stndents will be snbject to the discipline of the Faculty when the total nnexcnsed absences in any month amonnt to five.

Any student whose absences from a class during any month amount to as much as 25 per cent. of the scheduled meetings of the class, is required to stand a special examination on that month's work, according to the schedule laid down below.

In the case of those whose absences in a given month amount to 25 per cent., or more, of the scheduled meetings of the class, and who fail to stand the examination provided for such absences, it is left to the discretion of the instructor to retain them in the class.

Students who are absent from a class during the months of December and May as much as 25 per cent. of the scheduled meetings of the class must stand an examination for these months before being entitled to any grade on term examination. This special examination is to be held in connection with the regular term examination, or at some time during the examination period.

Students who are absent during either term as much as 33⅓ per cent. of the scheduled meetings of the class, except in case of prolonged sickness necessitating at least half of the absences, may at the discretion of the instructor be debarred from standing the term examination.

Schedule of Examinations to be Held Each Month for Excess of Absences.

Last Saturday of Month.

French and German, all classes and sections,	8:45 o'clock.
Greek,	9:45 "
Latin,	11 "
Biology,	12 "

First Saturday in New Month.

Mathematics, all classes and sections,	8:45 "
Geology,	10 "
Chemistry,	11 "
Physics,	12 "

Second Saturday in New Month.

History, all classes and sections,	8:45 "
English,	9:45 "
Philosophy,	at night.

A student who is absent from the class-room any considerable portion of the recitation hour will be reported absent by the instructor.

Attendance at Chapel is compulsory for all students in the University except seniors and students in the professional schools. Absence from Chapel will subject the student to discipline by the Executive.

No student is allowed to absent himself from the University without written permission from the President or his representative. This permission may, at the discretion of the executive officer, be granted only upon the formal request of the parent or guardian.

EXAMINATIONS.

Each student, before being entitled to any grade upon an examination, is required to subscribe his name to the following pledge: "I hereby certify that during this examination I have neither given nor received aid."

Students who hand in papers at the regular examinations are considered to have relinquished any claim to special examinations for grades. Students who fail to attend regular examinations, or who fail to hand in papers, are regarded as handing in blank papers, unless they have been previously excused from the examinations.

Excuses from examinations are granted only in case of absolute necessity. Such an excuse, to be valid, must be obtained from the President on or before the day of the examination, and communicated officially on that day to the instructor holding the examination.

No special examinations may be held during the regular examination periods except such as the schedule committee may authorize on account of unavoidable conflicts.

A student wishing a special examination must deposit an application in the office of the Registrar at least one week before the beginning of the period of special examinations.

A student who has been excused from an examination or has failed to pass, may have opportunity to make good his deficiency, without taking the study over again, at the following times:

(*a*.) At the period of special examinations in September preceding the regular work of the session.

(*b.*) At the regular examination of the same class a year from the time when the deficiency was incurred.

(*c.*) If the deficiency be in a Junior or Senior study, either at one of the above-mentioned times, or at a special examination to be held in each study at the time scheduled for the first monthly special examination in that study after the opening of the term in January of the Senior year.

A student having a deficiency in a Freshman study not made up by the close of the period of special examinations in September preceding his Junior year, and a student having a deficiency in a Sophomore study not made up by the close of the period of special examinations preceding his Senior year, shall be required to take such study over again with the class, or, in the case of an elective study, to take another one in its place.

The last opportunity to make up deficiencies occurring later than the beginning of the Junior year is at the special examination period mentioned above except that Seniors failing to pass an examination in May may be given one special examination during the examination period in May. Furthermore a student excused from a December examination of the Senior year may take such examination in the following May period, if he prefers.

Only those who have been excused from the regular examination may take another for a grade. All others take it merely to pass.

The order of examinations for the removal of conditions will be:

Monday, September 8.

10. Physics. 2:30. Chemistry.

Tuesday, September 9.

10. Greek. 2:30. History.

Wednesday, September 10.

10. English. 2:30. Biology.

Thursday, September 11.

10. German and French. 2:30. Mathematics.

Friday, September 12.

10. Latin. 2:30. Geology.

Saturday, September 13.

10. Philosophy. 2:30. Pedagogy.

ATHLETICS.

No student will be allowed to take part in athletic games, contests, etc., entailing absence from the University, whose parent or guardian objects to such participation.

Students who represent the University on athletic teams or musical clubs, or as representatives of the Literary Societies, marshals, etc., must have passed on at least six hours work of the previous term.

Students who represent the University must be carrying at least twelve hours of work and must be not neglectful of the work.

Students leaving the University in a representative capacity, and those who go with them, must give pledges that they will not take intoxicating drinks nor indulge in gambling during their absence.

Students are not allowed to attend match games of ball played outside the State, except members of the teams, managers, or substitutes.

Students are allowed to attend match games in the State provided they can go and return the same day the game is played.

The manager of each athletic team shall submit to the President and the Committee on Athletics of the Faculty a schedule of all games before positive engagements are made.

FRATERNITIES.

Academic students may join fraternities after registration in their Sophomore year. Fraternity men are not allowed to pledge Freshmen to join fraternities.

GRADUATION.

Each Senior will be officially informed by the Registrar in September of all deficiencies standing against him. These deficiencies must be made up by the close of the special examination period in January and February.

Every member of the Senior Class is required to write a thesis, or an oration, for graduation. Those electing theses must announce their subjects by Feb. 1st to the Dean of the Academic Faculty, who will report

them to the Professors in the departments concerned. On May 2d the theses shall be read before the Professors, subject to criticism and correction. The corrected and approved theses must be handed to the Registrar in type-written form on or before May 15th.

The number of orations is limited to four. The candidates must be members of the academic department, and must announce their subjects to the Dean of the Academic Faculty by Feb. 1st. The orations shall be delivered in private before a committee of the faculty on May 1st, who shall decide the relative merits of the orations. The four successful candidates are known as the Commencement Orators of the Senior Class.

Candidates for more than one degree shall not offer the same elective in two courses, nor a required study in one course as an elective in another.

Students entering in advance of their course and desiring to compete for honors, must stand for grade all examinations required in their course previous to the point of entering.

CERTIFICATES.

A certificate is granted to a student who has completed, in any department, all work required for a degree together with other elective work in the same department. (See under the several departments of instruction.)

CONDUCT.

By order of the Board of Trustees the Faculty is directed to dismiss from the University any student who is known to engage in drinking intoxicating liquors, gambling, hazing in any form, or to be guilty of dissolute conduct.

Students persistently neglectful of duty, or addicted to boisterous conduct or rowdyism, may be requested to leave the University.

THE LAW DEPARTMENT.

FACULTY.

FRANCIS PRESTON VENABLE, PH.D., PRESIDENT.

JAMES CAMERON MACRAE, LL.D., *Dean and Professor of Common and Statute Law and Equity.*

THOMAS RUFFIN, D.C.L., *Associate Professor of Law and Equity.*

KEMP PLUMMER BATTLE, LL.D., *Professor of Constitutional History and International Law.*

CHARLES LEE RAPER, PH.D., *Associate Professor of Economics and History.*

CHARLES STAPLES MANGUM, A.B., M.D., *Lecturer on Medico-Legal Jurisprudence.*

COURSES OF INSTRUCTION.

The Law Department provides three courses of study, each extending over a period of one college year. Instruction is given by means of text-books, the study of leading cases, and moot courts. Special lectures are given by resident instructors and by members of the bar upon subjects of interest to the students.

Professor MACRAE and Associate Professor RUFFIN.

1. Elementary course in first principles and plain rules of business, contract and property law. Robinson's Elementary Law. Spencer's Commercial Law. *Three hours a week.*

For Students Intending to Apply for License.

FIRST YEAR.

Professor MACRAE and Associate Professor RUFFIN.

2. Ewell's Essentials. This covers the four books of Blackstone, em-

bracing the subjects of Domestic Relations, (Manning's Commentaries,) Real and Personal Property Law, Pleading and Practice and Criminal Law, Clark on Contracts, Bigelow on Torts. *Junior Class.*

3. Greenleaf on Evidence, with the Code Chapter on Evidence. Bispham's Equity. Clark on Corporations. Schouler on Executors, with the Code chapters on Widows, Wills and Testaments. Descent and Executors and Administrators. The Code of North Carolina, including Clark's Code of Civil Procedure. The Constitutions of the United States and of North Carolina. Sharswood's Legal Ethics. *Senior Class.*

The above includes the course prescribed by the Supreme Court of North Carolina to be read by candidates for license to practice law.

Second Year.

Professor MacRae and Associate Professor Ruffin.

4. Lawson on Bailments. Norton on Notes and Bills. Dillon on Municipal Corporations. Burdick on Sales. Huffcut on Agency. Richards on Insurance. Clark's Criminal Law. Black's Constitutional Law.

Professor Battle.

5. Constitutional History and International Law.

Associate Professor Raper.

6. Economics.

Required of candidates for the degree of LL.B.

Professor Mangum.

7. Medico-legal Jurisprudence.

EXAMINATIONS.

Thorough written examinations are held regularly throughout the year on the completion of each subject. A certificate is issued to those students who pass with credit on all subjects embraced in 2 and 3.

SPECIAL LECTURES.

From time to time during the term lectures will be delivered before the school by eminent judges and lawyers.

THE DEGREE OF BACHELOR OF LAWS.

The degree of Bachelor of Laws (LL.B.) is conferred by the University upon candidates who have completed courses 2, 3, 4, 5, and 6, and have passed all examinations with credit. Two years of residence are ordinarily required of all students who desire to offer themselves as candidates for the degree. Every candidate must submit a thesis on some subject selected by the senior Professor of Law. Applicants for the degree of Bachelor of Laws must be twenty years of age, and must have completed an academic course equivalent to that of the Freshman and Sophomore years in the College.

MOOT COURT.

The Moot Court is an important factor in legal educational methods; it familiarizes the student with the practical side of law. It is the purpose of the University Court to acquaint the student with the legal details so necessary to be acquired yet so difficult of access. Regular sessions are held, and every student in the Law School has a frequent opportunity for practice. The work is thorough and is carried on from the inception of the suit to the final judgment in the Appellate Court. The Court is held every Saturday night.

Court of Appeals.

Judge,	Professor MacRae.

Superior Court.

Judge,	E. J. Nelson.
Solicitor,	A. D. Ivie.
Clerk,	B. A. Brooks.
Sheriff,	J. F. Glenn.

EXPENSES PER TERM.

Tuition, Junior or Senior Class or both	$37.50
Registration and Incidental fees	10.00
Tuition for Elementary Course	5.00

Where full tuition, $37.50, is paid, students may also take the elementary course if it is desired.

ADMISSION AND REGISTRATION.

Candidates for admission into the Law School should present themselves on the same day and at the same hour with candidates for admission into the College, either in September or January. Candidates for admission and students already members of the school are expected to register according to the regulations on page 58. The session of the Law School is of the same length with the College year. All members of the Law School enjoy the same privileges with other students in the University.

THE SUMMER SCHOOL OF LAW.

During the summer two classes in law are conducted by the professors of this department. The text-books used are the same with those required in course 2, prescribed by the Supreme Court. The summer session begins on the ninth day of June and ends on the Friday before the last Monday in August. The fee for admission into either class is thirty dollars for tuition and three dollars for registration: for admission into both classes, fifty dollars for tuition and three dollars for registration. The tuition is $30 for both courses to students who have attended the regular session for two terms and to licensed attorneys desiring to review the course.

All fees are payable in advance.

THE DEPARTMENT OF MEDICINE.

FACULTY.

FRANCIS PRESTON VENABLE, PH.D., PRESIDENT.

RICHARD HENRY WHITEHEAD, A.B., M.D., *Dean of the Department at Chapel Hill and Professor of Anatomy and Pathology.*

CHARLES STAPLES MANGUM, A.B., M.D., *Professor of Materia Medica, and Instructor in Anatomy.*

ISAAC HALL MANNING, M.D., *Professor of Physiology, and Instructor in Bacteriology.*

HUBERT ASHLEY ROYSTER, A.B., M.D., *Dean of the Department at Raleigh and Professor of Gynecology.*

WISCONSIN ILLINOIS ROYSTER, M.D., *Professor of Medicine.*

AUGUSTUS WASHINGTON KNOX, M.D., *Professor of Surgery.*

RICHARD HENRY LEWIS, M.D., *Professor of Diseases of the Eye and Lecturer on General Hygiene.*

KEMP PLUMMER BATTLE, JR., A.B., M.D., *Professor of Diseases of the Ear, Nose and Throat.*

JOSHUA WALKER GORE, C.E., *Professor of Physics.*

HENRY VAN PETERS WILSON, PH.D., *Professor of Biology.*

CHARLES BASKERVILLE, PH.D., *Professor of Chemistry.*

ALVIN SAWYER WHEELER, PH.D., *Associate Professor of Organic Chemistry.*

ANDREW WATSON GOODWIN, M.D., *Instructor in Clinical Medicine.*

HENRY McKEE TUCKER, M.D., *Lecturer on Obstetrics and Diseases of Children.*

JAMES WILLIAM McGEE, JR., M.D., *Chief of Dispensary.*

ROBERT SHERWOOD McGEACHY, A.B., M.D., *Assistant in Surgery and Gynecology.*

JAMES EDWARD LATTA, A.M., *Instructor in Physics.*

JAMES EDWARD MILLS, PH.D., *Instructor in Chemistry.*

CLARENCE ALBERT SHORE, S.B., *Instructor in Biology.*
WILLIAM DeBERNIERE MacNIDER, *Assistant in Anatomy.*
ROYALL OSCAR EUGENE DAVIS, Ph.B., *Assistant in Chemistry.*
DORMAN STEELE THOMPSON, Ph.B., *Assistant in Biology.*

FOUNDATION.

Instruction in medicine is given in two distinct schools, one situated at the seat of the University, the other in the city of Raleigh. The department at Chapel Hill furnishes thoroughly good instruction in the fundamental branches of Medicine—those branches which constitute the scientific basis of the actual practice of medicine and surgery, which should be taught in the first two years of the medical curriculum. The school possesses exceptional advantages for this work. There is an adequate corps of trained and faithful instructors; there are good laboratories for the various branches of study; the students live in the environment of a University, and enjoy all the advantages it gives to young men; above all, the classes are necessarily small, so that the methods of instruction demanded by modern educational ideals are carried on with comparative ease. Moreover all the laboratories of the academic department are open to medical students as well as the courses of instruction offered by the departments of Physics, Chemistry and Biology.

The School has received the endorsement of the State Medical Society. No student who has successfully completed the course has been rejected by the State Board of Medical Examiners, a statement which gains force from the fact that the majority of the subjects upon which that Board conducts examinations are completed by students during their attendance upon this School. The School was founded in 1890; in 1898 it was admitted to membership in the Association of American Medical Colleges; recently it has been incorporated as an integral part of the University on the same footing with the graduate and the other professional schools.

The instruction of the third and fourth years is conducted at Raleigh with all the hospital and clinical advantages of a city. This school is intended to receive the student after the completion of the course at Chapel Hill in the more fundamental elements of scientific medical education.

The course is then continued for two years in an environment suited to thorough instruction in the branches necessary to the completion of the course for a degree.

THE DEPARTMENT AT CHAPEL HILL.

THE GENERAL PLAN OF INSTRUCTION.

For the course of instruction provided by the Medical School all those advantages are claimed which are derived from good equipment and small classes. Each student has the opportunity of seeing the various demonstrations and experiments, and receives direct personal instruction. The course extends over a period of two college years, and its successful completion entitles students to entrance into the third year of high-grade colleges.

In the arrangement of the courses of study the attempt is made to follow what would seem to be their natural sequence. In the first year the student devotes most of his time to anatomical and chemical studies. The study of Gross and Microscopic Anatomy proceed side by side. In the spring, by which time the student has obtained sufficent knowledge of Chemistry and Anatomy, the study of Physiology is begun. In the second year the study of Anatomy and Physiology is continued. The work in Chemistry is laboratory in character, is devoted to Qualitative Analysis, Physiological Chemistry and Toxicology, and continues throughout the year. Pathology is taken up at the beginning of this year, and continued for nine months. Materia Medica is begun in the spring term, after the course in Physiology has been completed. In this year also the class practices the exercises of Minor Surgery.

It is yet necessary to continue courses in Physics and General Chemistry for the benefit of those students who have not had the advantages of adequate instruction in those subjects; but all are advised to pursue these courses before entering the Medical School. Students who have had

courses in Physics and Chemistry are advised to elect General Biology and Embryology during the first and second years of their study of medicine.

The majority of the work in most of the branches is carried on in the laboratories. Lectures are not neglected, and the value of a good text-book is appreciated; but it is deemed very desirable that the student should be brought face to face with nature, so that he will not merely acquire facts, but the powers of observation and judgment so essential to physicians will be stimulated and encouraged.

The course is arranged in two sessions of nine months each as follows:—

First Year.

Physics. Three hours a week, fall term.
Chemistry. Four hours a week throughout the year.
Histology. Five hours a week throughout the year.
Anatomy. Eight hours a week for first seven months.
Physiology. Three hours a week, spring term.

Second Year.

Chemistry. Laboratory work six hours a week throughout the year.
Anatomy. Six hours a week for five months.
Bacteriology. Six hours a week, fall term.
Physiology. Five hours a week, fall term.
Pathology. Eight hours a week, spring term.
Materia Medica. Five hours a week, spring term.
Minor Surgery. Three hours a week for six weeks.

COURSES OF INSTRUCTION.

Physics.

Mr. Latta.

1. Elementary course. The fundamental facts of physics presented, and the general laws illustrated by experiments.

Chemistry.

Professor BASKERVILLE.

1. General Descriptive Chemistry.

The elements are taken up in their order and described. This study is followed by the laws of combination and the compounds formed. The latter part of the course is taken up with organic chemistry.

Associate Professor WHEELER and Mr. DAVIS.

9. Qualitative Analysis and Toxicology. Laboratory work with Lectures. Second year.

This course supplements the lectures given by Professor Mangum on Toxicology.

Associate Professor WHEELER.

10. Physiological Chemistry including Urine Analysis. Lectures and laboratory work. Second year.

Biology.

In the biological courses some record of each day's work is kept by the student. This record consists chiefly of the sketches made directly from the dissection or the preparations under the microscope. The importance of making a figure (even a poor one) of the object under study, cannot be overestimated as an aid to observation. In addition to the usual written examinations, practical examinations on the work done in the laboratory are held.

Professor WILSON.

1. General Biology.

Representative types of the great groups of organisms are dissected and studied microscopically. The forms range on the one side from the unicellular animals to the vertebrates, and on the other from the unicellular plants to the phanerogams. In the lectures the forms to be studied are briefly described, their relations are pointed out, and the principles which they illustrate are explained. The fundamental facts concerning living things are thus learned directly from nature in such a way as to develop the power of accurate observation, skill in handling instruments, and method in the recording of notes. Elective in the first year.

2. Vertebrate Histology.

The principal tissues and organs of the vertebrate body are here studied according to the methods of modern microscopy. The

individual student is instructed how to make, study, and sketch microscopic preparations, including paraffin and celloidin sections, macerations, and mounts of fresh tissue.

3. Vertebrate Embryology.

The main facts in the development of a vertebrate animal are here worked out by the student for himself with the aid of explanatory lectures. A brief survey of the early stages of development, including maturation fertilization, segmentation, and formation of the germ layers is first made upon lower forms (nematode, starfish, teleost, frog). The development of the typical vertebrate organs is then studied in chick embryos. Elective in second year.

Anatomy.

Professors WHITEHEAD and MANGUM and Mr. MAC NIDER.

The method of instruction is one of dissection and demonstration rather than of lectures. In the first year the body is studied by systems, first the bones, then the muscles, etc. The student does much of the dissecting for himself, but the more difficult dissections are made by the instructor. Frequent practical examinations are held, upon which stress is laid, in order to enforce proper study of the cadaver. In the second year the study proceeds by regions. The student does all the dissecting, but is still under the supervision of an instructor, who examines him upon the work done, and indicates the bearing of anatomical facts upon surgical operations. During this year there is a special laboratory study of the anatomy of the central nervous system.

Physiology.

Professor MANNING.

The study of Physiology is begun in the spring term of the first year, instruction being given by means of lectures and recitations illustrated by experiments. The study is continued in the fall term of the second year, during which the student learns the methods of Experimental Physiology by means of class work in the laboratory.

Materia Medica.

Professor MANGUM.

This course is devoted to the study of the geographical and botanical sources of drugs, their chemical constitution, preparations and doses, physiological action, and, to some extent, the indications for their rational use. Opportunity will be given to students to familiarize themselves with the more important crude drugs and their preparations. Instruction is given by means of lectures, recitations, and demonstrations. The lectures intended to accompany the work in Toxicology are given as a part of the course in Materia Medica.

Pathology.

Professors WHITEHEAD and MANNING.

1. Bacteriology. The student learns by practical experience the methods of cultivating, staining, and identifying the principal bacteria, the pathological significance of which is explained by lectures and demonstrated by inoculation of animals. In this way the chief bacteria are studied in pure culture, after which the methods of obtaining pure cultures from mixtures of bacteria are learned. The necessary manipulations are all carried on by the students, who thus obtain a useful practical knowledge of the subject.

2. Pathological Histology. Here the various changes which may be produced in the tissues as the result of disease are discussed in lectures and studied with the microscope. The laboratory is especially well provided with pathological material, and each student stains, mounts and studies a large number of sections extending over almost the whole range of pathology, upon which he is required to stand practical examinations.

Minor Surgery.

Professor MANGUM.

The class practices the application of bandages and splints, and the modern methods of dressing wounds.

Elementary Pharmacy.

Professor Howell.

An elective course in Pharmacy is offered embracing the simpler pharmaceutical operations.

ENTRANCE REQUIREMENTS.

In accordance with the rules of the Association of American Medical Colleges, of which association this School is a member, students desiring to matriculate will be required, except under the circumstances noted hereafter to pass the following entrance examination:

1. In English, a composition on some subject of general interest, which must be written by the applicant at the time of examination, and must contain at least 200 words.

2. In Arithmetic, such questions as will show a thorough knowledge of common and decimal fractions, compound numbers, ratio, and proportion.

3. In Algebra, questions covering the fundamental operations, factoring, and simple quadratic equations.

4. In Latin, an examination upon such elementary work as the student may offer showing a familiarity usually attained by one year of study.

In place of this examination or any part of it the official certificates of reputable literary and scientific colleges, normal schools, academies and high schools will be accepted.

Students who are unable to pass the above entrance examinations may matriculate provided they are not deficient in more than one subject. The deficiencies must be made up before entering the second year. For such deficient students instruction will be provided without additional tuition fees.

PECUNIARY AID.

The Harris Prize. (Established in 1895.) Mrs. T. W. Harris offers, in

honor of the late Dr. T. W. Harris, a pocket case of instruments to that student who shall make the best grade in Anatomy.

THE WOOD SCHOLARSHIP. (Established in 1895.) Mrs. Mary Sprunt Wood, of Wilmington, has founded, in memory of her late husband, Dr. Thomas Fanning Wood, a scholarship of the value of ninety dollars.

EXPENSES.

The following are the charges per term payable at the beginning of each term:—

Tuition	$37.50
Registration and incidental fees	10.00

In addition there is a fee of $1.25 for first year students in chemistry and $5.00 for second year students. There are small fees in embryology and histology for those taking these courses.

ADMISSION AND REGISTRATION.

Candidates for admission into the Medical School should present themselves on the same days and at the same hours with candidates for admission into the College. Candidates for admission and students already members of the school are expected to register on *Monday*, *Tuesday*, or *Wednesday*, *September 8, 9* or *10*, *1902*, and *Friday*, *Saturday* or *Monday*, *January 2*, *3* or *5*, *1903*. The session of the Medical School is of the same length with the college year.

All members of the Medical School enjoy the same privileges with other students in the University.

THE DEPARTMENT AT RALEIGH.

LOCATION AND FACILITIES.

The advantages afforded by the city of Raleigh for the advanced work of the University Medical School are numerous. It is the most acces

sible of the State's larger cities and has already become one of its educational centres. Comprising, with the suburbs, a population of 25,000, it offers clinical facilities second to none in North Carolina. Two hospitals will admit students of the Medical College for instruction. These hospitals are attended by the faculty of the College and special care will be given to individual teaching with the varied material found in them. Beside these hospitals, there are many available public institutions which furnish valuable privileges to the students of the University.

COURSES OF INSTRUCTION.

The course at Raleigh is arranged for two sessions of nine months each, known as the third and fourth years. A carefully graded curriculum, with examinations at the end of each year, is adhered to. The arrangement of the course as to subjects and years is as follows:—

Medicine.

Professor W. I. Royster and Dr. Goodwin.

This subject is taught by didactic lectures, ward classes and general clinics. The study of Therapeutics is included and instruction in the two subjects is closely combined.

Third Year.

1. Medicine. The Infectious Diseases, Diseases of the Blood and the Digestive System.

   Special attention is given to individual instruction in the methods of physical diagnosis.

Fourth Year.

2. Medicine. Diseases of the Respiratory System, Heart and Kidneys. The General Diseases. Diseases of the Nervous System and of the Skin. Weekly clinics and ward classes.

Surgery.

Instruction in Surgery extends also over two sessions. The lectures are supplemented by experience at the bedside with opportunities for making examinations and diagnoses. In all clinics the students are allowed to observe closely the work done.

Third Year.

Professor Knox and Dr. McGeachy.

1. Surgery. The Principles of Surgery, Wounds, Minor Operations and Bandaging.

   Ward class and Dispensary work will furnish ample demonstrations of each subject.

Fourth Year.

2. Surgery. The General Practice of Surgery. The Major Operations. The Genito-Urinary and Venereal Diseases.

   At all the clinics students will be able, by direct personal observation at short range, to witness every step of an operation and thus familiarize themselves with the details.

Obstetrics.

Third Year.

Dr. Tucker, Lecturer.

1. Obstetrics. Lectures, recitations and clinical experience. Fundamental obstetric principles receive the closest attention.

   A number of maternity cases are available for instructing students in the management of labor and the lying-in period.

Gynecology.

Fourth Year.

Professor H. A. Royster and Dr. McGeachy.

1. Gynecology. Lectures, covering the entire field of diseases of women

from the simplest procedure to the more serious operations. Illustrative clinics held weekly.

Practice in pelvic examinations will be given constantly to each individual student, with the object of enabling him to make correct gynecological diagnoses.

Diseases of the Eye.

FOURTH YEAR.

Professor LEWIS.

1. Lectures with clinics and dispensary classes.

A thorough course is furnished as an absolute essential for the general practitioner. Mastery of the principles is insisted upon. An abundance of illustrative material is presented in clinics and dispensary classes.

Diseases of the Ear, Nose and Throat.

FOURTH YEAR.

Professor BATTLE.

1. Lectures and demonstrations with opportunities for investigating cases under direct supervision.

A knowledge of these diseases is recognized as necessary for every physician. Particular care is devoted to personal demonstration.

Diseases of Children.

FOURTH YEAR.

Dr. TUCKER, Lecturer.

1. Pediatrics. Lectures and bed-side demonstrations. Special emphasis will be given to the diagnosis and treatment of the infectious diseases and to the care of infants.

General Hygiene.

THIRD YEAR.

Professor LEWIS, Lecturer.

1. Hygiene and Sanitation. The principles and laws underlying the sub-

ject and the most approved practical methods established by modern science.

A knowledge of hygiene and sanitation is very necessary for physicians in every community. Extraordinary opportunities will be given for investigating the workings of sanitary regulations.

THE CITY FREE DISPENSARY.

Dr. McGee, *Physician in Chief.*

By special arrangement, the city of Raleigh has allowed the establishment of a Free Dispensary at the Rex Hospital, where all the outdoor city patients are to come for treatment. Thus every possible case may be utilized as clinical material for students of the University. Here will be found unusual privileges of personal observation. At certain times each student may conduct the dispensary work on his own account under the charge of the instructors.

DEGREE.

The degree of Doctor of Medicine will be conferred by the Board of Trustees upon students who are recommended for graduation by the faculty. Candidates must have devoted at least four full years to the study of medicine and the fourth year, at least, must have been taken in this school, the other three in this or other recognized schools of medicine. Candidates must have passed satisfactory examinations in all subjects required for the degree.

EXPENSES.

The following are the charges per term, payable at the beginning of each term:—

Tuition	$32.50
Registration	5.00

There are no other fees. Board may be obtained in the city at from $12.50 to $15.00 per month.

ADMISSION.

Students will be admitted to the college upon completion of the preparatory two years' course at the University, or its equivalent. Preliminary examinations will be required, if deemed necessary.

Students may be admitted to advanced standing who present evidence of having fulfilled the requirements of this school with respect to preliminary education, and of having completed at accredited medical schools satisfactory courses in the studies of the preceding year or years.

REGISTRATION.

Students should present themselves for registration on *Monday, Tuesday* or *Wednesday, September, 8, 9* or *10, 1902*, and on *Friday, Saturday* or *Monday, January 2, 3* or *5, 1903.*

THE DEPARTMENT OF PHARMACY.

FACULTY.

FRANCIS PRESTON VENABLE, PH.D., PRESIDENT.

EDWARD VERNON HOWELL, A.B., PH.G., *Dean and Professor of Pharmacy.*

JOSHUA WALKER GORE, C.E., *Professor of Physics.*

CHARLES BASKERVILLE, PH.D., *Professor of Chemistry.*

HENRY VAN PETERS WILSON, PH.D., *Professor of Biology.*

CHARLES STAPLES MANGUM, A.B., M.D., *Professor of Materia Medica.*

ISAAC HALL MANNING, M.D., *Professor of Physiology.*

ALVIN SAWYER WHEELER, PH.D., *Associate Professor of Organic Chemistry.*

....., *Associate Professor of Botany.*

JAMES EDWARD LATTA, A.M., *Instructor in Physics.*

JAMES EDWARD MILLS, PH.D., *Instructor in Chemistry.*

CLARENCE ALBERT SHORE, S.B., *Instructor in Biology.*

BENJAMIN FRANKLIN PAGE, *Assistant in the Pharmaceutical Laboratory.*

ROYALL OSCAR EUGENE DAVIS, PH.B., *Assistant in Chemistry.*

FOUNDATION.

The Department of Pharmacy was established in 1897 and was opened for students in September of that year. Its location at the seat of the University assures to its students the most modern scientific instruction with all the laboratory facilities of the academic department, as well as the courses of instruction in allied branches. These opportunities will meet the requirements of the large number of students who were compelled

heretofore to obtain their pharmacentical edncation in other states. Briefly stated, the advantages are as follows:

1. Thorongh, careful, *individual* instruction.

2. The practical experience derived from active work in the laboratories.

3. Intimate association with the other departments of the University, to all of which the student of pharmacy has free access, and the daily contact with stndents pursuing various branches of learning.

4. The use of the large library and reading room and the well equipped gymnasium.

5. The comparatively small cost at which a two years course may be obtained.

6. The course here consists of two sessions of nine months each,—nearly a fourth longer than in many of the Colleges of Pharmacy.

The success of the students of this department in their examination before the State Boards has been very gratifying. Students of this department have been applicants before the State Boards of Maryland, Pennsylvania, and North Carolina. None of the graduates of this department applying for license before State Boards have failed to pass the examinations.

ARRANGEMENT OF COURSES.

The courses are arranged for two sessions of nine months each, and lead to the degree of Graduate of Pharmacy (Ph.G.).

First Year.

The instruction includes:—

Theory and Practice of Pharmacy, Practical Course in Operative Pharmacy, Elementary Physics, Descriptive Chemistry, Physiology (optional), Lectures in Pharmacentical Botany.

Second Year.

The instruction inclndes:—

Theory and Practice of Pharmacy, Practical Conrse in Operative Phar-

macy, General Biology (optional), Materia Medica and Toxicology, Qualitative Analysis, Urinary Analysis.

COURSES OF INSTRUCTION.

Pharmacy.

Professor HOWELL.

1. Theory and practice of Pharmacy. First year. *Five hours a week.*

   This course consists of lectures upon the following subjects, with practical demonstration and the employment of proper apparatus whenever necessary.

   Metrology: comminution, heat, evaporation, distillation, sublimation.

   Fusion: calcination, granulation, oxidation, reduction, etc.

   Solution: of solids, liquids, and gases, deliquescence, efflorescence, etc.

   Colation: filtration, decolorization, clarification, precipitation, etc.

   Maceration: expression, infusion, decoction, etc.

   Percolation, and the preparation and study of the following: waters, syrups, honeys, glycerites, mucilages, mixtures, spirits, elixirs, liniments, collodions, tinctures, wines, vinegars and fluid extracts.

2. Theory and Practice of Pharmacy. Second Year. *Five hours a week.*

   The senior course takes up in detail the official forms and preparations of drugs. Beginning with the inorganic compounds, the salts are considered with regard to their commercial qualities and pharmacentical uses and preparations, The organic compounds are taken up, commencing with the salts of the organic acids, and passing to the natural and artificial organic compounds.

3. Lectures on Pharmacentical Botany. *Two hours a week (spring term).*

   This course is preparatory to the study of Materia Medica, and takes up the study of the flower, the various topics of fruits, seeds, etc., and a careful study of the descriptive terms as applied to leaves, stems and roots. This course includes the gathering and proper mounting of specimens of the various official herbs that grow in this vicinity.

Materia Medica and Toxicology.

Professors HOWELL and MANGUM.

1. Materia Medica. Lectures on the geographical and botanical sources

of drugs, descriptions and uses of the same, together with their physical and toxic effects. *Three hours a week.*

Opportunity is given the student to familiarize himself with most of the crude drugs and their preparations.

2. Toxicology. Lectures on poisons and their specific action on the various parts of the body in their minimum and maximum doses. *Three hours a week.*

Attention is called to the symptoms exhibited in cases of poisoning, to the mode of action of chemical antidotes and physiological antagonistics, and to the relative values of mechanical treatments.

Physics.

Mr. Latta.

1. Elementary course. The fundamental facts of physics presented and the general laws illustrated by experiment. *Three hours a week (fall term).*

Chemistry.

Professor Baskerville, Dr. Mills and Mr. Davis.

1. Descriptive Chemistry. Lectures with laboratory work. A study of the elements and their compounds, including an introduction to organic chemistry. *Three hours a week.*

Associate Professor Wheeler and Mr. Davis.

9. Qualitative Analysis and Toxicology. Laboratory work with lectures. *Three hours a week. (Five and a half months.) Second year.*

Associate Professor Wheeler.

10. Physiological Chemistry, including Urine Analysis. Lectures and laboratory work. *Three hours a week. (Three and a half months.) Second year.*

The following courses are not required of students in Pharmacy but may be elected profitably:

Physiology.

Professor MANNING.

1. Lectures, laboratory work and demonstrations.

A brief but practical study is made of the skeleton, joints, muscles, heart, blood-vessels, brain, eye, ear, and viscera. Demonstrations are given of the blood-flow in the capillaries, phenomena of reflex action, and microscopic structure of the chief tissues.

Biology.

Professor WILSON.

1. General Biology. Fundamental principles worked out in selected animal and plant types. Lectures and laboratory work. *Five hours a week.*

Botany.

Associate Professor .....

1. Laboratory and field work with recitations. *Three hours a week (spring term).*

Prescription Filling.

Professor HOWELL.

In order that students may gain experience in prescription filling, a course in the practical "every day work" of a drug store and in selling poisons and filling prescriptions is given. The prescriptions selected are those that will give the largest amount of practical experience. For this course a fee of ten dollars is required to cover the cost of ingredients, bottles, labels, etc.

OPTIONAL COURSES.

The following optional courses may be taken by the payment of a small laboratory fee to cover cost of material, etc:—

Indnstrial Chemistry. Lectures. The application of chemistry to the arts and industries. *Three hours a week.*

This course includes metallurgy, glass making, pottery, foods, clothing, building materials, explosives, photography, etc.

Agricultural Chemistry. Lectures. *Three hours a week (spring term).*

This course includes the chemistry of the plant and the soil and the discussion of plant-food, etc. Many specimens have been collected in the Industrial Mnseum to illustrate these courses.

Quantitative Analysis. Laboratory work. *Three or five hours a week.*

The student in this course is led further into the stndy and practice of analytical methods. The work may take any special direction desired by him, fitting him to be an agricultural chemist, iron chemist, manufacturing chemist, physician, druggist, or teacher of chemistry. Encouragement is given to the student to make original researches.

Quantitative Analysis and Assaying. Laboratory work. *Three or four hours a week.*

This course is intended to give the student a thorough grounding in analytical methods and manipulations.

Determinative Mineralogy. Lectnres with laboratory work. Dana's text-book on Mineralogy. *Two hours a week (fall term).*

Bacteriology.

The stndent learns by practical experience the methods of cultivating, staining and identifying the principal bacteria, and their pathological significance is explained by lectures and demonstrations by innoculation of animals. In this way the chief pathogenic bacteria are studied in pure culture on the various media, after which the methods of obtaining pure cnlture from mixtures of bacteria are learned. The necessary manipulations are carried out by the students, who thus obtain a practical knowledge of the subject which can be gained in no other way.

Pathological Histology.

In this course the various changes which may be produced in the tissues as a result of disease are discussed in the lectures and studied by means of the microscope. The laboratory is especially well provided with pathological material. During the last session each student stained, mounted, and stndied over one hundred sections extending over almost the whole range of pathology. The sections become the property of the student and are of much use afterwards. The laboratory contains a library of standard works.

Students in Pharmacy have also the privilege of attending any of the regnlar academic courses.

EXAMINATIONS.

All students matriculating in the School of Pharmacy are required to pass an examination in the usual rudimentary branches of an English education.

Final examinations are held at the end of each term on the subjects embraced in the course.

An average of 70 per cent. on the intermediate and final examinations is required to pass in the various branches.

QUIZZES.

Quizzes upon the different branches are regularly held. Specimen quizzes upon Materia Medica, Chemistry and Pharmacy are held once a week, and consist in the recognition and correct writing of the official name of the specimen presented.

Students are required to make an average of 70 per cent. on the examinations given on specimens at the close of each term.

THE PHARMACEUTICAL LABORATORY.

Officers.

Edward Vernon Howell, A.B., Ph.G., Director and *Professor of Pharmacy.*

Benjamin Franklin Page, *Assistant in the Pharmaceutical Laboratory.*

The rooms occupied as a Pharmaceutical Laboratory are admirably adapted to this purpose. They are conveniently situated on the the first floor, and are well lighted, and well equipped with water, electric lights, and gas. To each student is assigned a desk, provided with lock and key and containing all the apparatus necessary to the every day work of a pharmacist. In the store room is kept a supply of material for practical work as well as the apparatus for the more complex operations. Ample

space is provided for work at the prescription counter, where practical instruction in the compounding and dispensing of prescriptions is given.

A small deposit fee is required to cover the cost of breakage of apparatus. At the end of the session this amount will be returned, less the amount of breakage occurring during the term.

OTHER LABORATORIES.

The laboratories of physics, chemistry and biology are open to students in Pharmacy. These laboratories are all equipped with the most improved apparatus for experimentation and illustration of lectures.

READING ROOM AND LIBRARY.

The Pharmaceutical Department is provided with a well selected library and with a reading room, inaugurated by the class of 1897, in which are filed a large number of medical and pharmaceutical journals.

In addition to these advantages, students of this department enjoy the privileges of the University reading room, in which are filed all the leading newspapers and magazines, and have free access to the University library which numbers thirty-two thousand volumes and twelve thousand pamphlets.

REQUIREMENTS FOR GRADUATION.

Every person upon whom the degree of Graduate in Pharmacy of this University shall be conferred must have completed the work of both years in the Department of Pharmacy of this University, or one course (the Senior) in this after one in another recognized college of Pharmacy. He must obtain satisfactory marking in attendance and make a general average of 70 per cent. in the various branches, and submit a satisfactory thesis.

He must also have had a practical experience of at least four years with

some qualified pharmacist or pharmacists in a dispensing store. Satisfactory evidence on this point must be submitted to the head of the department.

Students who have not had the full four years' experience will be permitted to stand examinations for graduation; but their diplomas will be withheld until they shall have satisfied this requirement.

No person will be entitled to a diploma until all his dues to the University have been paid.

THESIS.

The thesis must be an original essay embodying the results of the student's personal research in some branch of pharmacy, which he has prosecuted under the direction of the professor, who has assigned him the subject. The thesis will be published at the discretion of the professor. The thesis, together with certificate of time of practical experience, must be deposited with the Registrar *on or before May 1*.

PRIZES.

The Bradham Prize, offered by C. D. Bradham, of Newbern, N. C., will be given to the student making the highest general average during the two years of study.

The Gilpin Langdon Prize, offered by Gilpin Langdon & Co., of Baltimore, Md., will be given to the student making the best line of preparations in the pharmaceutical laboratory.

Prizes will also be given:

1. For the best thesis.
2. For the best collection of native medicinal herbs.
3. For the best exhibit of chemical salts made by a second year student.
4. For the best work in the recognition of materia medica specimens.
5. To the student recognizing the largest number of pharmaceutical preparations.

EXPENSES.

The charges for each term are payable at the beginning of the term. They are as follows:

Tuition	$30.00
Registration and incidental fees	10.00

In the first year's chemistry class there is a fee of $1.25; in the second year a fee of $5.00. In the prescription course there is a fee of $5.00.

The payment of these fees entitles the student to the use of the gymnasium, the library and reading room and, in case of sickness, to medical attention and the use of the infirmary.

ADMISSION AND REGISTRATION.

Candidates for admission into the School of Pharmacy should present themselves on the same days and at the same hours with candidates for admission into the College. For the next academic year, these days will be *Monday, Tuesday* and *Wednesday, September 8, 9* and *10, 1902*, and *Friday, Saturday* and *Monday, January 2, 3* and *5, 1903*. The session of the School of Pharmacy is the same length with the college year.

All members of the School of Pharmacy enjoy the same privileges with other students in the University.

THE SCHOOL OF MINING.

FACULTY.

FRANCIS PRESTON VENABLE, PH.D., PRESIDENT.
JOSHUA WALKER GORE, C.E., *Dean and Professor of Physics.*
JOSEPH AUSTIN HOLMES, S.B., *State Geologist and Lecturer on Economic Geology and Mining in the Southern Appalachian Region.*
WILLIAM CAIN, C.E., *Professor of Mathematics.*
COLLIER COBB, A.M., *Professor of Geology and Mineralogy.*
CHARLES BASKERVILLE, PH.D., *Professor of Chemistry.*
ALVIN SAWYER WHEELER, PH.D., *Associate Professor of Chemistry.*
JOSEPH HYDE PRATT, PH.D., *Lecturer on the Principles of Mining and on Ores and Mineral Deposits.*
ARCHIBALD HENDERSON, PH.D., *Instructor in Mathematics.*
JAMES EDWARD MILLS, PH.D., *Instructor in Chemistry.*
JAMES EDWARD LATTA, A.M., *Instructor in Physics.*
ROYALL OSCAR EUGENE DAVIS, PH.B., *Assistant in Chemistry.*
HUGH HAMMOND BENNETT, *Assistant in Chemistry.*
BRENT SKINNER DRANE, *Assistant in Chemistry.*
RICHARD NIXON DUFFY, *Assistant in Mathematics.*
MARVIN HENDRIX STACY, *Assistant in Mathematics.*
ROBERT GILLIAM LASSITER, *Assistant in Geology.*
ROBERT ARTHUR LICHTENTHAELER, *Assistant in Geology.*

COURSES OF INSTRUCTION.

Mathematics.

DR. HENDERSON and MESSRS. DUFFY and STACY.

1. Plane and Solid Geometry from Book IV to end (Well's). Algebra,

from Quadratics (Wentworth's College Algebra). *Four hours a week.*

Professor CAIN and Dr. HENDERSON.

2. Plane and Spherical Trigonometry, with Logarithms (Crockett). Analytic Geometry (Tanner and Allen). *Three hours a week.*

Dr. HENDERSON.

3. Descriptive Geometry. Surveying (Raymond). Practice in Drawing. *Three hours a week.*

9. Mechanics of Materials. Stresses in Bridge and Roof Trusses. *Three hours a week.*

10. Graphical Statics Applied to Framed Structures and Theory of Retaining Walls and Arches. *Three hours a week.*

(See pages 39 and 40.)

Physics.

Professor GORE.

1. Physics. A general course. Lectures with textbooks. Laboratory work (with Mr. Latta). *Three hours a week.*

Mr. LATTA.

2. Mechanics, including Statics and Dynamics. *Three hours a week.*

Professor GORE.

3. Heat, Heat Engines, Heating Systems, Steam Boilers, Pumps, etc. *Three hours a week.*

4. Electricity and Magnetism. Dynamos, motors, electric lighting, storage batteries. *Three hours a week (fall term).*

7. Polyphase Electric Currents. Electric transmission of power. *Three hours a week.*

(See pages 41 and 42.)

Chemistry, Metallurgy and Assaying.

Professor BASKERVILLE.

1. Descriptive Chemistry. Lectures, with laboratory work. A study

of the elements and their compounds, including an introduction to organic chemistry. Laboratory work required. *Three hours a week.*

2. Technical Chemistry. (a) Metallurgy, Mining, Treatment of Ores, Smelting, Chlorination, etc. *Three hours a week (fall term).* (b) Industrial and Agricultural Chemistry. Glass-making, Clothing, Hygiene, etc. *Three hours a week (spring term).*

Associate Professor WHEELER and Mr. BENNETT.

3. Qualitative Analysis. Laboratory work with lectures. *Two hours a week.*

Associate Professor WHEELER and Dr. MILLS.

4. Quantitative Analysis and Assaying. *Three hours a week.*

Professor BASKERVILLE.

8. Quantitative Analysis. Extension of course 4 in technical lines leading to research. *Five times a week.*

(See pages 43 and 44.)

Geology.

Professor COBB.

1. Elementary Geology. Lectures and recitations with laboratory and field work. *Three hours a week.*

2. Determinative Mineralogy. Lectures, with laboratory and field work. *Two hours a week.*

3. General Critical Geology. Lectures with field and laboratory work on rocks and fossils. *Three hours a week.*

4. Economic Geology. Lectures with laboratory and field work. The general features and formation of ore deposits of the ores of iron, copper, lead, zinc, silver, gold and the lesser metals. Economic minerals, soils, water supply. *Three hours a week.*

5. Petrography. Lectures, laboratory work and theses. *Two hours a week.*

(See page 46.)

Mining.

Professor HOLMES.

1. Economic Geology of North Carolina. In these lectures the economic geology of other portions of the Southern Appalachian region is also discussed.

2. Mining in the Southern Appalachian Region. These lectures include a discussion of gold, silver, coal and iron mining.

As supplementary to courses 1 and 2 students are expected to visit mining regions described.

Dr. PRATT.

3. Mineral and Ore Deposits. Lectures supplemented by laboratory and field work.

4. Principles and Practice in General Mining. Lectures supplemented by visits to different mining regions.

LABORATORIES.

The Physical, Chemical and Geological laboratories are well equipped for thorough work. Several thousand dollars are spent annually for apparatus and equipment. Special libraries are kept in these laboratories for the use of the students.

REQUIREMENTS FOR ADMISSION.

Candidates are admitted by examination or by certificate. Examinations for admission are held in September. The University admits, without examination, students who present certificates from the principals of their schools. The certificates must be on the blank form, provided on application to Registrar. The right is reserved to examine students when, in the opinion of the President, such a course is necessary.

All certificates of work accomplished at preparatory schools or colleges

must be examined and approved by the instructors in the departments concerned, and deposited with the Registrar, before such work can be officially recognized.

EXPENSES.

The University fees and general expenses are, in all respects, the same as for students in the academic department. A statement of the fees charged and the general cost of living for a session of nine months at the University may be found on pages 55 and 56.

REGISTRATION.

Students of the School of Mining should present themselves for registration at the same times and place as other students of the University. This information may be found on page 58. The session of the School of Mining is of the same length as the college year.

STUDENTS (1901-1902).

GRADUATES.

NAME.	YEAR.	RESIDENCE.
Allen, Arch Turner,	*Third*,	Statesville.
Ph.B., 1897. Pedagogy. Physics, English. Candidate for A.M. Non-resident.		
Bernard, William Stanley,	*First*,	Greenville.
A.B., 1900. Greek. Latin. Candidate for A.M.		
Branch, Lester VanNoy,	*Second*,	Brooklyn, N. Y.
S.B., 1900. Candidate for S.M. Non-resident.		
Chadbourn, George,	*First*,	Wilmington.
S.B., 1900. Chemistry, Physics.		
Cobb, Palmer,	*First*,	Danville, Va.
Ph.B., 1901. German, French.		
Coble, Charles Paul,	*First*,	Gilmers Store.
A.B., 1901. Latin, English, Pedagogy. Candidate for A.M. Non-resident.		
Davis, Royall Oscar Eugene,	*First*,	Columbia, S. C.
Ph.B., 1901. Chemistry, Physics, Mathematics. Candidate for Ph D.		
Ellington, Richard Lindsey,	*First*,	Reidsville.
S.B., 1901. Geology, Chemistry Physics.		
Ehringhaus, John Christoph Blucher,	*First*,	Elizabeth City.
A.B., 1901. English, Chemistry, History,		
Harris, Isaac Foust,	*Second*,	New Haven, Conn.
S.B., 1900. Chemistry, English, History. Candidate for S.M. Non-resident.		
James, Gertrude,	*First*,	Chapel Hill.
A.B., Wellesley College, 1889. English, Greek, Pedagogy.		
Jones, Alice Edwards,	*Second*,	Raleigh.
Ph.B., 1900. Latin, French, English. Candidate for A.M. Non-resident.		
Juat, Francis,	*First*,	Aberdeen.
M D., University of Berne. Microscopic Technique.		
Latta, James Edward,	*Third*,	Chapel Hill.
Ph.B., 1899. A.M., 1901. Physics, Mathematics.		
Lentz, Jay Dick,	*Third*,	Concord.
Litt.B., 1897 History, Latin. Candidate for A.M. Non-resident.		
Makeley, Metrah, Jr.,	*First*,	Edenton.
A.B , 1901. Physics, Mathematics, French.		

Mangum, Adolphus Williamson, *First*, Chapel Hill.
Litt.B., 1897. Mining, Geology, Chemistry.

Root, Aldert Smedes, *First*, Raleigh.
S.B., 1901. Mining, Chemistry, Physics, German.

Shore, Clarence Albert, *First*, Winston-Salem.
S.B., 1901. Biology, German, Geology. Candidate for S.M.

Turrentine, John William, *First*, Burlington.
Ph.B., 1901. Chemistry, Geology. Candidate for S.M.

Warshaw, Jacob, *Second*, Paris, France.
A.B. (Harvard), 1900. French, German, English. Candidate for A.M. Non-resident.

Wilson, Louis Round, *Third*, Lenoir.
A.B. 1899. English, Greek, Latin. Candidate for A.M.

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Senior Class.

Name.	Course.	Residence.
Abernethy, Claude Oliver,	**Sci.*,	Chapel Hill.
Adams, Thaddeus Awasaw,	*Phil.*,	Finch.
Ballard, David Clark,	*Phil.*,	Louisburg.
Bell, Benjamin, Jr.,	*Sci.*,	Wilmington.
Brem, Tod Robinson,	*Phil.*,	Charlotte.
Brown, Walter Monroe, A.B., *Elon College*, 1899,	*Arts*,	Liberty Store.
Burgess, James Lafayette,	*Sci., Min.*,	Liberty.
Busbee, Christiana,	*Arts*,	Raleigh.
Bynum, Minna Curtis,	*Phil.*,	Lincolnton.
Byrnes, Charles Metcalfe,	*Sci.*,	Natchez, Miss.
Carr, Albert Marvin,	*Sci.*,	Durham.
Chastain, Rufus Benjamin,	*Arts*,	Brasstown.
Cheshire, Joseph Blount, Jr.,	*Arts*,	Raleigh.
Drane, Brent Skinner,	*Arts, Min.*,	Edenton.

* The abbreviations indicate the courses selected by students as follows: Arts, the course leading to the degree of A.B.; Phil., the course leading to the degree of Ph.B.; Sci., the course leading to the degree of S.B.; Elect., a selection of courses not leading to a degree but giving preliminary training for Law, Medicine or Teaching, or special instruction in one or more departments as indicated. Min. indicates election of courses in the School of Mining.

Duncan, Julius Fletcher,	*Arts*,	Beaufort.
Duffy, Richard Nixon,	*Arts*,	Newbern.
Everett, Simon Justus,	*Phil.*,	Palmyra.
Gibson, John Shaw,	*Sci.*,	McColl, S. C.
Godwin, Robert Linn,	*Sci.*,	Dunn.
Gray, Eugene Price,	*Arts*,	Winston-Salem.
Gregory, Quentin,	*Arts*,	Halifax.
Groome, Mary,	*Phil.*,	Chapel Hill.
Groome, Pinckney Broadfield,	*Arts*,	Chapel Hill.
Henderson, John Steele, Jr.,	*Arts*,	Salisbury.
Hutchison, Robert Stuart,	*Phil.*,	Charlotte.
Kerley, Alonzo Commodore,	*Arts*,	Morganton.
Lemly, Fred Henry,	*Sci.*,	Winston-Salem
Lewis, Ivey Foreman,	*Arts*,	Raleigh.
Lichtenthaeler, Robert Arthur,	*Sci.*,	Winston-Salem.
McIver, James Harry,	*Phil.*,	Greensboro.
Maddrey, Charles Edward,	*Phil.*,	Chapel Hill.
Merritt, Robert Amsei,	*Arts*,	Chapel Hill.
Moss, Eugene Grissom,	*Sci.*, *Min.*,	Wilton.
Oliver, Thomas Clifford,	*Sci.*, *Min.*,	Charlotte.
Prior, Warren Stebbins,	*Phil.*,	Fayetteville.
Pritchard, Birdie,		
PH.B., *Elon College*, 1901,	*Phil.*,	Chapel Hill.
Reid, Frank Abton Lunsford,	*Arts*,	Griffith.
Robins, Henry Moring,	*Phil.*,	Asheboro.
Roberts, Guy Vernon,	*Phil.*,	Marshall.
Sallenger, Edward Duncan,	*Phil.*,	Sans Souci.
Scholtz, Herbert,		
A.B., (*Elon College*),	*Arts*,	Chapel Hill.
Stacy, Marvin Hendrix,	*Phil.*,	Morven.
Stafford, William Faris,	*Arts*,	Burlington.
Stern, David Pony,	*Phil.*,	Scotland Neck.
Stevens, George Phifer,	*Arts*,	Matthews.
Stevenson, Reston,	*Arts*, *Min.*,	Wilmington.
Stone, Imogen,	*Arts*,	Clinton, La.
Willcox, John,	*Arts*,	Carbonton.

Williams, Buxton Barker,	*Arts*,	Ridgeway.
Williams, Robert Ransom,	*Arts*,	Newton.
Worth, Thomas Clemson,	*Sci.*,	Asheboro.

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JUNIOR CLASS.

Andrews, Graham Harris,	*Arts, Min.*,	Raleigh.
Bellamy, William McKoy,	*Elect.*,	Wilmington.
Bennett, Hugh Hammond,	*Sci.*,	Wadesboro.
Berkeley, Green Ramsey,	*Arts*,	Atlanta, Ga.
Best, Benjamin Spencer,	*Arts*,	Quinerly.
Bridgers, Burke Haywood,	*Phil.*,	Wilmington.
Bynum, Curtis Ashley,	*Arts*,	Lincolnton.
Calder, Milton,	*Arts*,	Wilmington.
Carr, William Frederick,	*Phil.*,	Durham.
Cates, Clande Holt,	*Phil.*,	Wakulla, Fla.
Cauble, David Zimri,	*Phil.*,	Barkley.
Clement, Edward Buehler,	*Sci.*,	Salisbury.
Clement, Hayden,	*Phil.*,	Salisbury.
Cobb, Whitfield,	*Sci.*,	Chapel Hill.
Collins, Robert Beatty,	*Phil.*,	Dixie.
Cumming, Preston, Jr.,	*Phil.*,	Wilmington.
Everett, Reuben Oscar,	*Phil.*,	Palmyra.
*Ferrell, John Atkinson,	*Sci.*,	Clinton.
Fonst, Frank Lee,	*Sci.*,	Graham.
Gallaway, Gaston Gilbert,	*Phil.*,	Mount Airy.
Gant, Kenneth,	*Sci.*,	Burlington.
*Garren, Gardiner Marion,	*Phil.*,	Buena Vista.
Giles, John Reston,	*Arts*,	Wilmington.
Glenn, Marshall Renfro,	*Sci.*,	Asheville.
Gold, Thomas Jackson,	*Phil.*,	Pearl.
Gordon, William Jones,	*Arts*,	Chapel Hill.
Graham, George Washington, Jr.,	*Sci.*,	Charlotte.
*Graves, Louis,	*Arts*,	Chapel Hill.

*Carrying sufficient work for graduation.

Gwyn, Thomas Lenoir,	*Phil.*,	Spring Dale.
Hamblin, John Knapp,	*Phil.*,	Magnolia.
Hassell, Francis Sylvester,	*Arts*,	Williamston.
Hawes, Edmund Alexander, Jr.,	*Sci.*,	Atkinson.
Haywood, Alfred Williams, Jr.,	*Arts*,	Haw River.
Heard, Willis Otter,	*Phil.*,	Charlotte.
Herring, Robert Withington,	*Phil.*,	Harrell's Store.
Holland, Hazel,	*Sci.*,	Charlotte.
Holt, Earle Pendleton,	*Phil.*,	Oak Ridge.
Horner, James Wiley,	*Phil.*,	Henderson.
Huske, Bartholomew Fuller,	*Arts*,	Fayetteville.
Johnson, Charles Earl, Jr.,	*Arts*,	Raleigh.
*Jonas, Charles Andrews,	*Phil.*,	Barkley.
Jones, George Lyle,	*Arts*,	Franklin.
Jones, Harry Murray,	*Arts*,	Franklin.
Judd, Zebulon Vance,	*Phil.*,	Enno.
Kerner, Frank Fleurnoy,	*Arts*,	Kernersville.
Lassiter, Robert Gilliam,	*Sci.*, *Min*,	Oxford.
McAden, John Henry, Jr.,	*Arts*,	Charlotte.
McLean, Sylvester Brown,	*Phil.*,	Maxton.
McRae, John Albert,	*Phil.*,	White Store.
McFadyen, Henry Richard,	*Arts*,	Clarkton.
Morehead, James Lathrop,	*Phil.*,	Durham.
Morrow, Rufus Clegg,	*Arts*,	Oaks.
Page, Boney Wells,	*Phil.*,	Corinne.
Parker, Lester Leonidas,	*Arts*,	Monroe.
Pearson, Joseph Edmund,	*Phil.*,	Riggsbee.
Peirce, Thomas Buckner, Jr.,	*Phil.*,	Warsaw.
Ramsey, Joseph Bunn,	*Elect.*, *Law*,	Rocky Mount.
Raney, Frank Tilley,	*Phil.*,	Chapel Hill.
Ross, Thomas Howard,	*Sci.*,	Charlotte.
Ronntree, Jack Robert,	*Arts*,	Brooklyn, N. Y.
*Short, Henry Blount, Jr.,	*Arts*,	Lake Waccamaw.
Sibley, Guy Clarence,	*Sci.*,	Louisville, Ky.
Skinner, Joshua John,	*Sci.*,	Hertford.
Smathers, William Frank,	*Elect. Law*,	Waynesville.

*Smith, James Thomas,	*Arts*,	Pineville.
Stevens, Harry Pelham,	*Phil.*,	Goldsboro.
Stewart, Roach Sidney,	*Phil.*,	O. K., S. C.
*Swain, John Edward,	*Phil.*,	Democrat.
Thorpe, James Battle,	*Sci.*,	Rocky Mount.
Tomlinson, Jacob,	*Sci.*,	Wilson.
Turner, Henry Gray,	*Arts*,	Raleigh.
Urquhart, Burges, Jr.,	*Arts*,	Lewiston.
Uzzell, Floyd Harold,	*Sci.*,	Beston.
Walker, Nathan Wilson,	*Arts.*,	Poplar Branch.
Wainwright, Eric Ross,	*Phil.*, *Min.*,	Bowmans Bluff.
Ward, George Robert,	*Phil.*,	Safe.
Weller, Hubert Raymond,	*Elect.*,	Weldon.
Webb, Whitmel Hill,	*Arts*,	Hillsboro.
Whitaker, William Asbury, Jr.,	*Phil.*,	Winston-Salem.
Whitehead, James Samuel,	*Phil.*,	Wilson.
Whitehurst, Harold,	*Arts*,	Newbern.
Willcox, George William,	*Phil.*,	Carbonton.
Willcox, Jesse Womble,	*Phil.*,	Putnam.
Wood, Walter Pool,	*Arts*,	Elizabeth City.

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Sophomore Class.

Adderholt, Junius Ernest,	*Sci.*,	Cherryville.
Allard, Harry Ardell,	*Sci.*, *Min.*,	Oxford, Mass.
Archer, Frederick Charles,	*Arts*,	Chapel Hill.
Archer, Gray,	*Arts*,	Chapel Hill.
Bass, Spencer Pippen,	*Arts*,	Tarboro.
Beall, Thomas Settle,	*Sci.*,	Greensboro.
Bohannon, Ernest Franklin,	*Phil.*,	Winston-Salem.
Brenizer, Addison Gorges, Jr.,	*Arts*,	Charlotte.
Brower, James Frederick,	*Ahil.*,	Winston-Salem.
Cain, Walter Stephen,	*Arts*,	Asheville.
Catlett, George Fitzhugh,	*Arts*,	Wilmington.
Claytor, Numa Reid,	*Phil.*,	University Station.

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Cobb, John Vines,	*Arts*,	Old Sparta.
Cochran, Nash Spencer,	*Phil.*,	Troy.
Cocke, Jere Ellis,	*Elect. Med.*,	Asheville.
Council, Edward Augustus,	*Phil.*,	Conoho.
Cox, Albert Lyman,	*Arts*,	Penelo.
Craven, Walter Gluyas,	*Sci.*,	Bristow.
Dameron, Edgar Samuel Williamson,	*Arts*,	Hobton.
Daniels, Virgil Clayton,	*Phil.*,	Merritt.
Deal, George Somerville,	*Elect. Min.*,	Franklin.
DeLaney, James Laster,	*Arts*,	Wardlaw.
Dunn, William, Jr.,	*Phil.*,	Newbern.
Eagles, William Wooten,	*Arts*,	Crisp.
Frost, Harry Barber,	*Sci.*,	Providence, R. I.
George, John Francis,	*Arts*,	Newbern.
Grady, Allen Wooten,	*Arts*,	Angle.
Graham, Neill Ray,	*Phil.*,	Charlotte.
Graham, William Archibald,	*Arts*,	Warrenton.
Gregory, Fletcher Harrison,	*Arts*,	Halifax.
Haigh, Severn Green,	*Arts*,	Fayetteville.
Hanes, Fred Moir,	*Phil.*,	Winston-Salem.
Harper, Ralph Moore,	*Phil.*,	Kinston.
Hickerson, Thomas Felix,	*Phil.*,	Ronda.
Holt, Lawrence Shackleford, Jr.,	*Sci.*,	Burlington.
Holton, Rolanda Clarence,	*Phil.*,	Olympia.
Hornaday, Junius Arminius,	*Phil.*,	Oakdale.
Hunt, Lloyd Rainey,	*Sci.*,	Lexington.
Idol, Virgil Austin Jasper,	*Phil.*,	High Point.
Irwin, James Preston,	*Sci., Min.*,	Charlotte.
Jacocks, William Picard,	*Arts*,	Windsor.
James, Charlie,	*Phil.*,	Greenville.
Johnston, Andrew Hall,	*Phil.*,	Asheville.
Johnston, George Anderson,	*Sci.*,	Chapel Hill.
Jones, Alexander Hamilton,	*Elect.*,	Acton.
Jones, Lawrence Haughton,	*Sci.*,	Asheville.
Kenan, Graham,	*Arts*,	Kenansville.
King, Rush Ninde,	*Phil.*,	Greensboro.

Knox, John, Jr.,	*Phil.*,	Ranaleburg.
Lamb, Wilson Gray, Jr.,	*Arts*,	Williamston.
Latta, Albert Whitehead,	*Phil.*,	Raleigh.
Lee, William Henry,	*Phil.*,	Waynesville.
Lockhart, Luther Bynum,	*Phil.*,	University Station.
Long, Jacob Elmer,	*Arts*,	Graham.
McIver, Evander McNair,	*Arts*,	Jonesboro.
McNider, George S. Mallett,	*Sci.*,	Chapel Hill.
Mann, Wade Hampton,	*Arts*,	Saxapahaw.
Marriott, Williams McKim,	*Sci.*,	Baltimore, Md.
Moore, Andrew Jackson,	*Phil.*,	Greenville.
Moore, Jesse Lee,	*Phil.*,	Patterson.
Moore, Leonidas John, Jr.,	*Arts*,	Newbern.
Morrison, Theodore Davidson,	*Sci.*,	Asheville.
Newton, Sprunt,	*Phil.*,	Xenia.
Nichols, James Jackson,	*Sci.*,	Asheville.
Noble, Albert Morris, Jr.,	*Phil.*,	Selma.
Noble, Robert Primrose,	*Phil.*,	Selma.
Nunn, James Henry,	*Elect.*,	Newbern.
Odom, Helen Louise,	*Elect. Teach*,	Baltimore, Md.
Oldham, George Willis,	*Arts*,	Teer.
Osborne, Willie Ewell,	*Phil.*,	Greensboro.
Patton, Francis McLeod,	*Elect.*,	Asheville.
Peace, Samuel Thomas,	*Sci., Min.*,	Oxford.
Pearson, Clifton,	*Phil.*,	Morganton.
Pearson, John Henry, Jr.,	*Sci.*,	Morganton.
Pemberton, Edmund James,	*Arts*,	Fayetteville.
Pharr, Wellborn Earl,	*Elect.*,	Wilkesboro.
Rankin, Willie Calvin,	*Phil.*,	Allemance.
Ray, Edward,	*Arts*,	Albans.
Robins, Sidney Swaim,	*Arts*,	Asheboro.
Russell, Charles Phillips,	*Arts*,	Rockingham.
Sawyer, Ernest Linwood,	*Phil.*,	Elizabeth City.
Sifford, Ernest,	*Phil.*,	Charlotte.
Skinner, Harry, Jr.,	*Phil.*,	Greenville.
Smith, Burton Hoyle,	*Phil., Min.*,	Charlotte.

Smith, William Hopton,	*Elect.*,	Goldsboro.
Starnes, Brand,	*Phil.*,	Asheville.
Staton, Marshall Cobb,	*Arts*,	Tarboro.
Stevenson, William Hollister,	*Phil.*,	Newbern.
Stewart, Hamilton Vernon,	*Elect. Law*,	Greensboro.
Sutton, Theodore King,	*Arts*,	Candor.
Swink, Walter Lee,	*Phil.*,	Winston-Salem.
Taliaferro, Julian Hamilton,	*Sci.*,	Charlotte.
Thomas, George Gillette,	*Elect.*,	Wilmington.
Westfeldt, Fleetwood Hunt,	*Elect.*,	Fletcher.
Wilson Walton Clair,	*Sci.*,	Wilson's Mills.
Winstead, Harry Wooding,	*Phil.*,	Leasburg.
Winston, James Horner,	*Arts*,	Durham.
Yelverton, Paul W.,	*Sci.*,	Goldsboro.

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Freshman Class.

Allen, Claude,	*Phil.*,	Greensboro.
Amick, William Gray,	*Phil.*,	Liberty.
Archer, James MacAlwaine,	*Sci.*,	Monroe.
Aycock, Frank Bayard,	*Elect.*,	Fremont.
Bailey, Frank Roseburgh,	*Sci.*,	Winston-Salem.
Baird, Thomas Carroll,	*Sci.*,	Valle Cruces.
Baldwin, Kemp Leopold,	*Phil.*,	Grove.
Barnard, Harry Franklin,	*Elect.*,	Franklin.
Barnhardt, Charles Carroll,	*Phil.*,	Whitsett.
Berry, Harriet Morehead,	*Elect.*,	Chapel Hill.
Best, Edward Lee,	*Sci.*,	Mapleville.
Blackwell, Calvin Simeon, Jr.,	*Phil.*,	Wilmington.
Bland, James Coran,	*Elect. Teach*,	Bostic.
Boone, Samuel Bell,	*Arts*,	Jackson.
Bowen, Jesse Gray,	*Phil.*,	Pantigo.
Brigman, Lindo,	*Arts*,	Rockingham.
Britton, Theodore Garfield,	*Phil.*,	Bethel.
Brown, Thomas Edwin,	*Phil.*,	Wilmington.

Bryan, Roderick Adams,	*Arts*,	Carthage.
Burns, Claude Grindell,	*Elect.*,	Onslow.
Burton, David Ranie,	*Phil.*,	Winston-Salem.
Cannon, Gabriel,	*Elect. Law*,	Horse Shoe.
Cannon, James William, Jr.,	*Sci.*,	Concord.
Cannon, Martin Luther,	*Elect.*,	Concord.
Carr, Claiborn MacDowell,	*Arts*,	Durham.
Cash, Thomas Hamilton,	*Phil.*,	Smith Grove.
Cathey, William Cecil,	*Phil.*,	Dixie.
Chadwick, David Nicholas, Jr.,	*Elect. Min.*,	Wilmington.
Cheshire, John,	*Phil.*,	Tarboro.
Cook, Marshall Edwards,	*Arts*,	Warrenton.
Cooley, James Pinckney,	*Elect Law*,	Cherokee, S. C.
Cox, Francis Augustus,	*Arts*,	Penelo.
Cox, John Robert,	*Phil.*,	Fremont.
Daingerfield, Archibald Campbell,	*Elect.*,	Birmingham, Ala.
Daniel, Erasmus Alston, Jr.,	*Arts*,	Airlie.
Davis, Henry Wiley,	*Sci.*,	Salisbury.
Davis, Lorenzo Brnton,	*Elect. Law*,	East Bend.
Dunbar, Clarence,	*Elect. Law*,	Leachville.
Edens, Clarence Morgan,	*Elect.*,	Rowland.
Emerson, Horace Mann, Jr.,	*Sci.*,	Wilmington.
Exum, James Thomas,	*Phil.*,	Snow Hill.
Fawcett, Thomas Garnett,	*Phil.*,	Mount Airy.
Fisher, William, Jr.,	*Arts*,	Pensacola, Fla.
Fogle, Paul Ernest,	*Sci.*,	Winston-Salem.
Gafford, John W.,	*Elect. Law*,	Wilmington.
Gilmer, Joe Branner,	*Phil.*,	Waynesville.
Godbey, Paul Stephen,	*Phil.*,	Harmony.
Grant, Lemuel Clayton,	*Phil.*,	Wilmington.
Groome, Bailey Troy,	*Phil.*,	Chapel Hill.
Gudger, Hubert Barnard,	*Phil.*,	Asheville.
Harrison, Arthur Warren,	*Elect.*,	Plymouth.
Haywood, Hubert Benbury,	*Phil.*,	Raleigh.
Heartt, William Alexander,	*Phil.*,	Hillsboro.
Heide, Samuel Skinner,	*Phil.*,	Wilmington.

Hester, Addison Reed,	*Elect. Law*,	Kernersville.
Hicks, Oscar Vernon,	*Phil.*,	Goldsboro.
Higdon, Thomas Bragg,	*Phil.*,	Higdonville.
Hill, Thomas,	*Phil.*,	Hillsboro.
Hill, William Poindexter, Jr.,	*Sci.*,	Winston-Salem.
Hines, Julian Colegate, Jr.,	*Sci.*,	Morven.
Hooks, William Edward,	*Sci.*,	Fremont.
Hooper, Caroline Alice,	*Elect. Teach*,	Fayetteville.
Hoover, Homer Leach,	*Arts*,	Thomasville.
Howard, Jasper Victor,	*Arts*,	Kinston.
Howard, James William,	*Sci.*,	Rock Spring.
Howie, Samuel Stephen,	*Phil.*,	Monroe.
Howle, Eugene Bond,	*Arts*,	Raleigh.
Hudson, Frank Simms,	*Phil.*,	Cassville, Tenn.
Hughes, Harvey Hatch,	*Phil.*,	Grover.
Irwin, Herbert,	*Elect.*,	Charlotte.
Jacobs, Harry Hyman,	*Sci.*,	Winston-Salem.
Jones, Hamilton McRary,	*Arts*,	Warrenton.
Jordon, Stroud,	*Arts*,	Caldwell Institute.
Kelly, Lanchlin McLeod,	*Sci.*,	Carthage.
King, Albert Hill,	*Arts*,	Chapel Hill.
King, Claude Herbert,	*Elect. Law*,	Greenville.
Lassiter, Benjamin Kittrell,	*Phil.*,	Oxford.
Lassiter, Salon McGee,	*Phil.*,	Aulander.
Ledbetter, Penlie Brisco,	*Phil.*,	Davidson River.
Leggett, Ernest Hodges,	*Sci.*,	Palmyra.
Lewis, Henry Stuart,	*Sci.*,	Jackson.
Lindau, Jules W.,.	*Sci.*,	Greensboro.
Long, Irving Cone,	*Sci.*,	Asheville.
McAden, Thomas Cowan,	*Phil.*,	Charlotte.
McBrayer, Fred Wilkins,	*Phil.*,	Rutherfordton.
McCubbins, Frank N.,	*Elect.*,	Salisbury.
McKie, George McFarland,	*Elect.*,	Chapel Hill.
McKoy, William Moore,	*Elect. Law*,	Norval.
McLean, Alfred McKetcham,	*Phil.*,	Dunn.
McLean, John Tyler,	*Phil.*,	Dunn.

McMullan, Harry,	*Phil.*,	Edenton.
McPherson, Samuel,	*Phil.*,	Hodman's Mills.
Mallison, William Thomas,	*Phil.*,	Washington.
Martin, Earle Wall.	*Elect. Pharm.*,	Morven.
Meares, Thomas Davis, Jr.,	*Sci.*,	Wilmington.
Miller, Charles Walter,	*Phil.*,	Sutherlands.
Miller, James Clarence,	*Sci.*,	Waynesville.
Miller, William Gray,	*Sci.*,	Siloam.
Mitchell, John Watson,	*Sci.*,	Winton.
Moore, Thomas Jefferson,	*Phil.*,	Greenville.
Moser, Arthur Lee,	*Elect. Teach*,	Hickory.
Moses, Herbert Henry,	*Arts*,	Raleigh.
Mullis, Green Raymond,	*Elect.*,	Albans.
Mumford, Grover Cleveland,	*Elect. Med.*,	Fremont.
Murphy, James,	*Sci.*,	Morganton.
Nichols, Austin Flint,	*Arts*,	Roxboro.
Nixon, Kemp Battle,	*Sci.*,	Lincolnton.
Norman, John Rice,	*Elect.*,	Halifax.
Orr, Nathan Jordan,	*Phil.*,	Charlotte.
Osborne, Ephraim Brevard,	*Elect. Min.*,	Charlotte.
Parsons, Thomas L.,	*Phil.*,	Rockingham.
Patterson, Joseph Flanner,	*Phil.*,	Newbern.
Patton, George M.,	*Phil.*,	Elon College.
Payne, James Horney,	*Elect.*,	Chapel Hill.
Pearce, Robert Strange,	*Sci.*,	Fayetteville.
Peeler, Adam Samuel,	*Phil.*,	Faith.
Peirce, Christopher Hill,	*Elect.*,	Wilmington.
Pender, Sheppard T.,	*Phil.*,	Oxford.
Perrett, Walter Kenneth,	*Phil.*,	Whitsett.
Perry, Rex William,	*Phil.*,	Woodruff, S. C.
Philips, Fred, Jr.,	*Sci.*,	Tarboro.
Philips, Henry Hyman,	*Sci.*,	Tarboro.
Phipps, Joe Saunders,	*Elect.*,	Greensboro.
Roberson, Foye,	*Arts*,	Chapel Hill.
Robertson, Judge Buxton,	*Phil.*,	Hartshorn.
Rose, Zeno Hardy,	*Phil.*,	Pinkney.

Ross, John William,	*Arts*,	Siloam.
Ross, Charles,	*Elect.*,	Asheboro.
Ross, Otho Bescent,	*Arts*,	Charlotte.
Rountree, Louis Gustavus,	*Arts*,	Brooklyn, N. Y.
Royall, Norman Norris,	*Elect.*,	Florence, S. C.
Satterthwait, Clement, Jr.,	*Elect.*,	Waynesville.
Shore, William Thomas,	*Sci.*,	Charlotte.
Simpson, Evander,	*Phil.*,	Roseboro.
Singletary, George Currie,	*Arts*,	Clarkton.
Sloan, Charles Henry,	*Phil.*,	Belmont.
Speight, Joe Powell,	*Phil.*,	Wrendale.
Stephens, William Telfair,	*Phil.*,	Raleigh.
Sturdivant, George Oscar,	*Arts*,	Rushing.
Sweeney, Joseph Norcum,	*Elect.*,	Wilmington.
Tabor, George LeRoy,	*Sci.*,	Swain.
Taliaferro, Walter Robertson, Jr.,	*Phil.*,	Charlotte.
Taylor, George Floyd,	*Phil.*,	Magnolia.
Townsend, Newman Alexander,	*Phil.*,	Raynham.
Troy, Eugene Bumpus,	*Phil.*,	Chapel Hill.
Tyson, John Joyner,	*Sci.*,	Greenville.
Vaughan, John Henry,	*Phil.*,	Siloam.
Wade, James Lloyd,	*Phil.*,	Dunn.
Whitley, Wade Hampton,	*Phil.*,	Pantigo.
Wiley, Annie Shannon,	*Elect.*,	Salisbury.
Wilson, Ronald Bonar,	*Phil.*,	Greensboro.
Wilson, John Kenyon,	*Phil.*,	Elizabeth City.
Wilson, William Miller,	*Phil.*,	Rock Hill, S. C.
Woodruff, Berryman Edward,	*Phil.*,	Darlington, S. C.
Woollen, Charles Thomas,	*Elect.*,	Winston-Salem.
Wright, Isaac Clark,	*Arts*,	Coharie.
Worth, Henry Venable,	*Sci.*,	Asheboro.
Wrenn, Clement,	*Phil.*,	Mount Airy.
Yelverton, June Hugh,	*Sci.*,	Fremont.
Yopp, Charles Robinson,	*Phil.*,	Wilmington.

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Students in Law.

Second Year.

Name.	Residence.
Bunn, James Philips, S.B., 1899,†	Rocky Mount.
Cowper, Guy Vernon,†	Winton.
Edwards, Martin Luther,†	Rutherfordton.
Glenn, John Frazier,	Averys Creek.
Harris, Henry S.,†	Falkland.
Jones, Thaddeus Winfield, Jr., S.B., 1900,‡	Acton.
Kluttz, Whitehead,	Salisbury.
Lane, Benjamin Benson, A.B., 1899, A.M., 1901,†	Chapel Hill.
Nelson, Edgar Joseph,‡	Patterson.
Reynolds, George Spears,	Asheville.
Rodman, Wiley Croom,†	Washington.
Sapp, Charles Wesley,†	Kernersville.
Smith, David Baird, PH.B., 1897,†	Greensboro.
Smith, Holland,	Rockingham.
Smith, Walter Douglas,†	Linden.
Thompson, Charles Everett, PH.B., 1900,†	Elizabeth City.
Winstead, Marcus Cotance,†	Woodburn.

First Year.

Barrett, Roscoe Conkling, A.B., *Wake Forest*, 1900,†	Carthage.
Bernard, Silas Garrett,†	Asheville.
Brooks, Bernard Alexander,	Nashville.
Brown, Julius,	Bethel.
Brownlee, Eugene,	Cobleskill, N. Y.
Busbee, Philip Hall, A.B., 1901,	Raleigh.
Cocke, William Johnston,†	Asheville.
Cook, Leon Troy,	Maxton.
Currie, Archibald,†	Davidson.
Davis, Furman Eaves,	Forest City.
Dickinson, Metus Troy, A.M., *Trinity*,†	Fremont.

† Summer term.
‡ Both terms.

Douglas, Stephen Arnold, A.B., *Georgetown*, 1901,‡	Greensboro.
Durham, Augustus Cobb,†	Asheville.
Ehringhaus, John Christoph Blucher, A.B., 1901,	Elizabeth City.
Folger, John Hamlin,†	Dobson.
Furr, Thomas Gibson,†	Sunnyside.
Gudger, Francis Asbury,	Asheville.
Gwyn, James Alfred, PH.B., 1896,	Asheville.
Hammond, Edward Augustus,	Trenton.
Hudson, Thomas Franklin,†	South River.
Hyams, William Washington,	Washington, D. C.
Ivie, Allan Denny,	Leaksville.
Jarvis, Raymond Preston, S.B., *Columbian*, 1899,	Jarvisburg.
Joyce, David Troy,	Coronoco, S. C.
Land, Edward Mays, A.B., 1899,†	Littleton.
Lemmond, Reuben Weddington,†	Monroe.
Luther, Watson Lenoir,	Candler.
McIntosh, Leland Carson, A.B., *Wake Forest*, 1899,†	Carthage.
McLean, Sylvester Brown,	Maxton.
Palmer, Jude,	Gulf.
Pittillo, Robert Albert, A.B., *Rutherford*, 1896,†	Fairview,
Roberts, Guy Vernon,	Marshall.
Rose, Charles Grandison, A.B., 1900,‡	Fayetteville.
Ross, William Eldridge,	Purity, Va.
Schroder, John C. D.,†	Charleston, S. C.
Spell, Amos Purdie,‡	Chance.
Smathers, William Frank,	Waynesville.
Starr, Albert Luther, A.B., *Lenoir*, 1896,†	Startown.
Taylor, Gaston Wilder,	Whitakers.
Thompson, Dorman Steele, PH.B., 1901,	Statesville.
Watson, Neill McKay,	Chapel Hill.
Woodall, James Lynn,†	Benson.
Wooten, Frank Marion,	Greenville.
Wright, Thomas Loftin, S.B., 1897,	Clinton.

61.

STUDENTS IN MEDICINE.

NAME.	YEAR.	RESIDENCE.
Alexander, Eben, Jr., A.B., 1901,	*Second*,	Chapel Hill.

Alexander, Emory Graham,	*Second*,	Charlotte.
Basnight, Thomas Gray,	*Second*,	Scuppernong.
Battle, Ivan Proctor,	*Second*,	Rocky Mount.
Best, John Henry,	*First*,	Mapleville.
Bonner, Kemp Plummer Battle,	*First*,	Aurora.
Brooks, Baird Urquhart, S.B., 1901,	*First*,	Nashville.
Cooke, Quinton Henry,	*First*,	St. John's.
Conwell, Charles Everett,	*First*,	Aulander.
Coppedge, Thomas Oliver,	*First*,	Cedar Rock.
Council, Walter Wooten,	*Second*,	Wananish.
Cranmer, John Bensell,	*First*,	Chapel Hill.
Crumpler, James Newton,	*First*,	Germanton.
Dimmette, James Arthur,	*First*,	Wiles.
Disosway, Alphens Wood,	*First*,	Newbern.
Donnelly, John, A.B., 1899,	*First*,	Charlotte.
Farrar, Mont Royal,	*First*,	Greensboro.
Fenner, Edwin Ferebee,	*First*,	Halifax.
Flemming, Major Ivey,	*Second*,	Greenville.
Floyd, James Lafayette,	*First*,	Spring Hope.
Fuller, Robert W.,	*First*,	Farmer.
Gibson, John Shaw,	*First*,	McCall, S. C.
Gibson, Milton Reynold,	*First*,	Gibson.
Graham, Archibald Wright, A.B., 1901,	*Second*,	Charlotte.
Graham, David Sloan,	*Second*,	Charlotte.
Guthrie, Marshal Crapon, Jr.,	*Second*,	Southport.
Hall, James King, A.B., 1901,	*Second*,	Dunlap.
Harper, James Henry,	*First*,	Snow Hill.
Harrison, Henry Hill,	*First*,	Littleton.
Herring, Robert A.,	*First*,	Water Valley, Miss.
Hewitt, Joseph Henry, A.B., 1899,	*First*,	Mapleton, Va.
Holt, Thomas,	*Second*,	Smithfield.
Hovis, Leighton Watson,	*First*,	Charlotte.
Irwin, Hamilton Carson,	*First*,	Charlotte.
Johnson, Livingstone Franklin,	*First*,	Harrels Store.
Kafer, Oswald Ottmar,	*First*,	Newbern.
Lowery, John Robert,	*Second*,	County Line.

MacNider, William DeBerniere,	*Special*,	Chapel Hill.
Moore, Charles Edward,	*First*,	Rural Hall.
Moore, Joseph Newit,	*First*,	Saratoga.
Murphy, William Alexander, A.B., 1901,	*First*,	Morganton.
Newell, Leone Burns,	*First*,	Newell.
Norman, Joseph Hunter, Jr.,	*First*,	Halifax.
Orr, Charles Collins,	*Second*,	Charlotte.
Orr, Nathaniel Alexander,	*Second*,	Charlotte.
Parker, John Williams, Jr.,	*First*,	Morrisville.
Plummer, Alson Lindsay,	*First*,	Jones Mine.
Pritchard, Arthur Thomas,	*First*,	Marshall.
Ross, John Kirkland,	*First*,	Charlotte.
Saunders, Joseph Hubbard,	*First*,	Washington.
Scott, Shelton George,	*First*,	Elizabeth City.
Sharpe, Frank Louis,	*Second*,	Statesville.
Spruill, Samuel Otha,	*First*,	Franklinton.
Stanley, John Haywood, Jr.,	*Second*,	Four Oaks.
Stevens, Ralph Sanders,	*First*,	Smithfield.
Stone, James Albert,	*First*,	Calabash.
Steinen, Edward von den,	*First*,	Cleveland, O.
Stringfield, Samuel Lanier,	*First*,	Waynesville.
Sutton, Carl White,	*First*,	LaGrange.
Ward, Jesse Elliott,	*Second*,	Wilson.
Webb, Lorenzo Stevenson,	*First*,	Chapel Hill
Wyatt, James Augustus Leon,	*First*,	Wadesboro.

62.

Students in Pharmacy.

Second Year.

Name.	Residence.
Ahrens, Adolph George,	Wilmington.
Bitting, Numa Duncan,	Rural Hall.
Bolton, J. Cener,	Rich Square.
Bullock, David Archer,	Wilmington.
Fox, Ludolph Glenn,	Asheboro.
Gallaway, Charles Ernest,	Mount Airy.

Greene, John Gustavus,	Marshville.
Hudson, John Edgar,	Glenwood.
McDonald, Alexander Milton,	LaGrange.
McNeill, George McKay,	Red Springs.
Page, Benjamin Franklin,	Asheboro.
Trotter, Lawson,	Mount Airy.
Worrell, William Charles,	Rich Square.

First Year.

Barnes, Edwin Wilmer,	Wilson.
Barnes, Henry Alonzo,	Proximity.
Bear, Moses,	Wilmington.
Cochran, George Thomas,	Troy.
Earle, Oliver Perry,	Greenville, S. C.
Gulick, James Wharton, Jr.,	Goldsboro.
King, Harris Lewter,	Durham.
McKesson, Louis Walton,	Morganton.
Moore, Walter Curtis,	Plains.
Patterson, Alois,	Chapel Hill.
Perry, William Morgan,	Elizabeth City.
Rice, Wilbur Calhoun,	Sydney, Fla.
Rhodes, Thomas Floyd,	East Stroudsburg, Pa.
Rowland, George James,	Durham.
Short, Frank Byard,	Fremont.
Tugwell, James Benjamin,	Farmville.

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SUMMARY.

THE COLLEGE:—

Graduates					22
Undergraduates.					
Course,	*Arts,*	*Philosophy,*	*Science.*	*Elect.*	
Seniors,	23	16	12	—	51
Juniors,	28	35	17	4	84
Sophomores,	31	37	18	11	98
Freshmen,	23	68	32	37	160
					415

THE LAW DEPARTMENT:—

Second Year Students,	17
First-Year Students,	44
	—61

THE DEPARTMENT OF MEDICINE:—

Second-Year Students,	18
First-Year Students,	44
	—62

THE DEPARTMENT OF PHARMACY:—

Second-Year Students,	13
First-Year Students,	16
	—29
Whole number of students,	567
Names inserted twice,	4
	563

Summary by States.

North Carolina,	528	Georgia,	1
South Carolina,	10	Kentucky,	1
New York,	4	Louisiana,	1
Florida,	3	District of Columbia,	1
Virginia,	3	Massachusetts,	1
Maryland,	2	Ohio,	1
Mississippi,	2	Pennsylvania,	1
Alabama,	1	Rhode Island,	1
Connecticut,	1	Tennessee,	1

THE SUMMER SCHOOL.

FACULTY.

FRANCIS PRESTON VENABLE, PH.D., PRESIDENT.
MARCUS CICERO STEPHENS NOBLE, *Superintendent and Professor of Pedagogy.*
KEMP PLUMMER BATTLE, LL.D., *Lecturer in History.*
JOSEPH AUSTIN HOLMES, S.B., *Lecturer in Geology.*
JOSHUA WALKER GORE, C.E., *Lecturer in Physics.*
THOMAS HUME, D.D., LL.D., *Lecturer in English Literature.*
EBEN ALEXANDER, PH.D., LL.D., *Professor of Greek.*
COLLIER COBB, A.M., *Professor of Geology.*
ALVIN SAWYER WHEELER, PH.D., *Associate Professor of Chemistry.*
GEORGE MCFARLAND MCKIE, *Instructor in Expression.*
THOMAS JAMES WILSON, JR., PH.D., *Instructor in Latin.*
PALMER COBB, PH.B., *Instructor in German.*
CLARENCE ALBERT SHORE, S.B., *Instructor in Biology.*
JAMES EDWARD MILLS, PH.D., *Instructor in Mathematics.*
FRANCIS MOORE OSBORNE, A.M., *Instructor in English.*
ALEXANDER GRAHAM, A.M., *Instructor in Physiology.*
EDWARD PEARSON MOSES, A.M., *Instructor in Reading and Primary Work.*
GEORGE ADONIJAH GRIMSLEY, A.M., *Instructor in English.*
ERNEST PRESTON MANGUM, A.M., *Instructor in Geography.*
THOMAS R. FOUST, B.E., *Instructor in Mathematics.*
J. E. MATHESON, A.B., *Instructor in Latin.*
GEORGE F. ATKINSON, PH.B., *Lecturer in Botany.*
THOMAS GILBERT PEARSON, S.B., *Lecturer in Ornithology.*
BENJAMIN SLEDD, A.M., *Lecturer in English.*
D. H. HILL, A.M., *Lecturer in English Literature.*
EULER B. SMITH, *Instructor in English Grammar.*

W. R. GARRETT, PH.D., *Instructor in History.*
J. LUSTRAT, BACH. ES LETT., *Instructor in French.*
MARGARET A. JOHNSTON, B.A., *Instructor in Kindergarten.*
FRANKLIN SHERMAN, JR., *Lecturer in Zoology.*
CHARLES LEDLEY, *Instructor in Sloyd.*

THE SUMMER TERM.

In the regular summer term of six weeks, instruction was given in certain departments of the University. The courses offered were the following:—

Greek, 1, 2 and 5; Latin 1, 2; German 1; French 1, 2; Spanish 1; English 1; Philosophy 1; History 2, 3; Mathematics 1, 2; Physics 1, 2; Chemistry 1, 3; Biology 1; Geology 2, 4; Pedagogy 1, 4. The character and scope of these courses may be seen by reference to pages 29-48 of this catalogue.

THE SUMMER SCHOOL FOR TEACHERS.

COURSES OF INSTRUCTION.

Pedagogy.

Professor NOBLE.

1. The Development and Philosophy of Method. Illustrative applications of method to the teaching of Reading, History, Geography and Arithmetic.

English.

Superintendent GRIMSLEY.

1. Literature and Composition. The study of literature; use of the best classic literature as the basis for work in composition. Systematic teaching of this subject. The acquisition of the habit of correct oral and written expression.

Mr. Smith.

2. Outline of Lessons in English Grammar. Elementary sounds and diacritical marks; simple sentences; words and phrases; complex sentences; clauses; compound sentences; connectives; the eight parts of speech; the eight modifications: nouns and pronouns; constructions; verbs; modes; regular and idiomatic passive; participles and infinitives; miscellaneous exercises in analysis, synthesis, parsing.

Mr. Moses.

3. Literature for children. Instruction in the great books of the world. Stories from Homer, the Greek tragedians, Vergil, Ovid, etc.

Expression and Shakspere.

Mr. McKie.

1. Ten lessons, each illustrating one or more principles in the evolution of natural vocal expression. Free discussion of elocutionary difficulties, gesture and voice culture.

2. Shakspere. Ten lessons. A play studied as a whole. The sources, plot and characters.

History.

Mr. Garrett.

1. American History. The formation of the Union; the cessions of Western territory by the States, and especially by North Carolina; the growth of the Union, and especially its territorial expansion; the Confederate war and reconstruction; the rise and fall of political parties.

Mathematics.

Professor Noble.

1. Arithmetic. A study of objects leading to the discovery of the "four

fundamental rules" and the natural method of teaching these rules; methods of drill in the use of figures; application of the "four fundamental rules" to percentage, interest and the arithmetical problems of business; the unity of the arithmetical processes.

2. Algebra. Course in methods dealing with elementary algebra, factoring, and the solution of problems.

Mr. T. R. FOUST.

3. Advanced Arithmetic. Fractions, Percentage, Interest, Bank Discount, Practical Measurements, Ratio and Proportion, Partnership, Square Root, Cube Root.

4. Advanced Algebra. Factoring, Greatest Common Divisor, Least Common Multiple, Fractions, Equations, Square Root, Cube Root, Solution of Problems, Binomial Theorem, Logarithms.

Geography.

Mr. MANGUM.

1. Preparatory Geography, classifying the knowledge that children have on entering school, and so extending this that they may properly interpret the language of the text-book.

2. Elementary Geography, developing logically the general notions in accordance with which the analytical study of Geography must be pursued.

3. Advanced Geography, dealing more thoroughly with the causes of geographical knowledge and with comparative geography.

Geology.

Professor HOLMES.

1. Lectures, illustrated by the stereopticon. The following subjects of special interest to North Carolina teachers:
   1. North Carolina Rivers and Water Powers.
   2. North Carolina Forests and Timber Resources.

3. North Carolina Mountains and Minerals.
4. Eastern North Carolina: its Trucking and Fishing Industries.
5. The Geological Growth of a State.

Physiology.

Mr. GRAHAM.

1. The Bony Framework, the Muscles, Physical Exercise, Food and Drink, Origin and Nature of Fermented Drinks, Digestion, the Blood and its Circulation, Breathing, How our Bodies are Covered, the Nervous System, the Special Senses, Excretion, the Throat and Voice, Simple Matters in Everyday Health.

Primary Instruction.

Mr. MOSES.

1. The work of the primary school, from the first to the fourth grade. Reading, spelling, arithmetic, language, geography and history.

Lectures in Nature Study.

BOTANY.

Mr. ATKINSON.

1. Plant Work: The parts of plants which work; the root, stem, leaf, flower. How plants obtain, and use, food and water.
2. Plant Behavior: The positions, forms, and movements of plants, or their parts, in securing favorable relations to their environment, for the purpose of work.
3. Plant Societies: The relations of plants among themselves, and to different kinds of territory. Congenial and uncongenial societies. Struggles among plants for territory, and for supremacy.

ORNITHOLOGY.

Mr. PEARSON.

1. Bird Study, its value, its interest. Methods of teaching.

2. North Carolina Birds. Bird Individuality. Methods of Teaching.

PHYSICS.

Professor GORE.

1. The Three Laws of Motion.. Illustrations and Examples.
2. Atmosphere. Its weight. Barometer. Boyle's Law. Air Pump. Suction Pump.
3. Telegraph and Telephone.

GEOLOGY.

Professor COBB.

1. The story of the earth as written in the rocks. The agencies at work. The structure of the earth. The life record in the rocks.
2. A scientific study of scenery. Mountains and mountain building. Rivers and valleys. Ocean basins and continental uplifts. Frost, snow and ice.
3. The building of the continent. Early condition of the globe. Framework laid in the first dry land. The interior sea. Uniting the lands. Influence of life.

CHEMISTRY.

Professor VENABLE.

1. Water,—its occurrence, its function in nature, its composition, its wonderful characteristics.
2. Fire,—old beliefs concerning it, false theories, true causes, function in nature, flame.
3. Coal,—its nature, carbon in nature, origin of coal, graphite, diamond.

INSECTS AND THEIR TRANSFORMATIONS.

Mr. SHERMAN.

(1) Insects distingnished from other animals. (2) Essential features of their anatomy. (3) Advantages offered by Insects as subjects for

Nature Studies in Schools. (4) Transformations of Insects. (5) Books about Insects.

Sloyd or Educational Manual Training.

Mr. LEDLEY.

Fifteen lessons in paper-folding (primary grades); twenty lessons in cardboard (grammar grades); fifteen lessons in wood-carving.

Latin.

Mr. MATHESON.

1. The first year in Latin. How to start a class of beginners. Method of the recitation. Type lessons in declensions, conjugations and parsing.
2. Teachers' Course in Caesar, Book 1. The proper method of teaching in a preparatory school.

Greek.

Professor ALEXANDER.

1. Teacher's course in Elementary Greek for beginners, or those wishing to review.

Lectures in English Literature.

Professor HUME.

1. The Literary Study of the Bible, with special consideration of the Psalms, the Song of Songs, and Isaiah.
2. Tennyson's Women, with some comparison of Browning's different method of treating human passion.
3. Shakspere's Personality, with some discussion of his Sonnets.

Mr. HILL.

1. Southern Literature before 1861.

2. Some Southern Lyrics.

3. Sidney Lanier as an Innovator.

Mr. SLEDD.

1. Conditions in the Old South. Southern fugitive poetry. Reading of selected poems of minor Southern poets.

2. Poe. Estimate of his work and position. Reading of selected poems.

3. Paul Hamilton Hayne; Henry Timrod; Father Ryan; Sidney Lanier; some recent poets.

Kindergarten.

Miss JOHNSTON.

1. Talks on the construction of programs; lessons in brush work (monotone painting), basket weaving and picture framing; suggestions as to the adoption of materials. Pedagogics of the Mother Plays.

Educational Conferences.

Each day there is a conference of the entire school for the discussion of vital matters relating to the theory and practice of teaching and to school administration. The superintendents of the city schools and other prominent educators lead in these discussions.

ANNOUNCEMENT FOR 1902.

In 1902 the University will maintain a Summer School for Teachers. The session will begin on *June 16*, and will continue for three weeks closing *July 5*. Instruction will be given in methods and school management by experts and specialists, chosen from the University Faculty, from leading Normal Schools and Colleges and from the School Superintendents of this and other states.

EXPENSES.

There will be no charge for tuition in the Summer School. An Incidental Fee of five dollars will be the only charge.

STUDENTS.

NAME.	RESIDENCE.
Alexander, Margaret,	Chapel Hill.
Bagby, Bulus,	Monroe.
Bagby, Irah Maie,	Monroe.
Ball, McCord Wright, PH.B., 1891,	LaGrange.
Barrett, Roscoe C.,	Carthage.
Bason, Mary C.,	Burlington.
Barwick, Allen Johnson, PH.B.,	Kinston.
Bishop, A. H.,	Charlotte.
Blair, Anna M.,	Monroe.
Bradley, Emma,	Gastonia.
Broadhurst, Edgar David, PH.B., 1899,	Thomasville, Ga.
Brogden, Willis James, PH.B., 1897,	Raleigh.
Burgess, Julia E.,	Washington.
Chambers, Woodfin A.,	Charlotte.
Cheshire, Elizabeth Toole,	Charlotte.
Cheshire, Kate,	Tarboro.
Clark, Joanna,	Lodo.
Conn, Emma D.,	Raleigh.
Cuthbertson, Daisy,	Charlotte.
Darsey, Mary C.,	Charlotte.
Davis, R. M.,	Tarboro.
Devereux, L. M.,	Raleigh.
Dockery, Frances,	Fayetteville.
Dowd, Orrin Wesley,	Carbonton.
Dunlap, Mamie,	Wadesboro.
Fawcette, Laura,	Lenoir.
Foust, Thomas Roswell, B.E., 1892,	Newbern.
Gray, Minnie G.,	Windsor.
Harding, Harry Patrick, A.B., 1899,	Newbern.
Heath, Mollie H.,	Newbern.
Henderson, Katharine B.,	Hartsville.
Hill, A. B.,	Rockingham.
Holeman, Hallie,	Durham.

Holland, Mrs. Hughes,	Newbern.
Horton, Bessie M.,	Lenoir.
Howerton, F. J.,	Newbern.
Howie, S. S.,	Monroe.
Hume, Mary G.,	Chapel Hill.
Hutchison, Sudie A.,	Charlotte.
Ireland, Etta,	Burlington.
Jenkins, F. P.,	Raleigh.
Jerkins, Mrs. Susan C.,	Newbern.
Johnson, Mary P.,	Riverton.
Jonas, C. A.,	Barkley.
Johnson, N. M.,	Summerfield.
Jones, Mrs. W. Y.,	Morehead City.
Lambeth, Julia R.,	Bynum.
Lane, Benjamin Benson, A.M., 1901,	Chapel Hill.
Lane, Lila,	Mt. Vernon Springs.
Lane, W. C.,	Goldsboro.
Lawrence, E. B.,	Raleigh.
Ledley, Charles W.,	Baltimore, Md.
Lichtenthaeler, Robert A.,	Winston-Salem.
Lowry, A. W.,	Union, S. C.
McClintock, Janie P.,	Charlotte.
McIntosh, L. C.,	Carthage.
McKinnon, Kate,	Raleigh.
McLean, John Alexander,	Fayetteville.
McNeily, Lee,	Monroe.
MacRae, Francis,	Chapel Hill.
Mangum, Adolphus Williamson, LITT.B., 1897,	Chapel Hill.
Marsh, Mary V.,	Raleigh.
Matthews, Kathrine,	Newbern.
Middleton, Stella E.,	Warsaw.
Miller, Henderson N., PH.D.,	Mt. Pleasant.
Moody, Mary,	Charlotte.
Nash, Sue,	Hillsboro.
Newbold, N. C.,	Asheboro.
Osborne, Josephine A.,	Charlotte.

Pasteur, Miriam A.,	Ocala, Fla.
Pittenger, Anna Louise,	Raleigh.
Prichard, Mrs. Rosa Holt,	Smithfield.
Redding, Florence,	Randleman.
Redford, Mattie,	Raleigh.
Roberts, J. W., Jr., PH.B., 1901,	Chapel Hill.
Robertson, Ella M.,	Burlington.
Sheep, S. L.,	Elizabeth City.
Smith, Henry Brower,	Whitsett.
Smith, Louis Herbert,	Liberty.
Smith, Thomas Harley,	Liberty.
Stafford, Susie,	Burlington.
Stallings, Maggie,	Clayton.
Stanback, Mrs. Mamie I.,	Sanford.
Strowd, Thomas W.,	Chapel Hill.
Taylor, Martha Rodema,	Efland.
Teasley, Bessie A.,	Bahama.
Tillett, J. A.,	Corolla.
Trotter, Annie,	Charlotte.
Tuck, Mabel Reade,	Bethel Hill.
Watson, Eleanor,	Salisbury.
Whitaker, Myrtle M.,	Kinston.
Whitaker, Sallie Pickett,	Raleigh.

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THE UNIVERSITY LIBRARY.

OFFICERS.

EBEN ALEXANDER, PH.D., LL.D., SUPERVISOR.
LOUIS ROUND WILSON, A.B., *Librarian.*
HENRY MORING ROBINS, *Assistant.*
CHARLES METCALFE BYRNES, *Assistant.*

The University Library numbers thirty-two thousand five hundred volumes and about twelve thousand five hundred pamplets. The collection of books is being re-classified and re catalogued according to the Dewey, or decimal system.

The Dialectic and Philanthropic Literary Societies have made a donation of their valuable collection of twenty thousand volumes to the Library, and provided for its perpetual endowment. The official title of the Library is now THE LIBRARY OF THE UNIVERSITY OF NORTH CAROLINA ENDOWED BY THE DIALECTIC AND PHILANTHROPIC LITERARY SOCIETIES.

The funds available for the increase of the Library are expended semi-annually under the direction of the Supervisor, the Librarian and Library Committee, with special reference to the instruction given in the University. The annual increase from purchase, bequests and exchanges averages about one thousand five hundred volumes. The books are carefully classified and catalogued by author, subject, and title.

Extensive improvements in the arrangement and administration of the Library have been made in the direction of better light, more room and greater efficiency and comfort. The librarian and his assistants are in attendance to give help in any line of research or reading. The reading room is supplied with the best foreign and American periodicals and the leading newspapers of the State and Nation. The students of the University are allowed access, under necessary limitations, to the book-shelves. The Library and the Reading-room are open every week day from 9 A. M. to 1:15 P. M., and from 2 to 5 P. M.

The Library has received from Mr. J. S. Pierson, of New York City, fifty volumes of recent works on Missions. Through the kindness of Mr. H. G. Chatham, of Elkin, Mr. J. Q. Gant, of Burlington, Hon. W. W. Kitchin, of Roxboro, and Gen. T. F. Toon, of Raleigh, the Library has been enabled to offer two reading prizes to members of the class of 1904.

The University acknowledges gifts to the Library during the past year from F. Acker, Eben Alexander, J. P. Anderson, S. G. Ayers, K. P. Battle, W. R. Bond, Mrs. Bridgers, E. McN. Carr, J. O. Carr, J. S. Carr, Sr., Walter Clark, W. C. Conant, Baron Pierre de Coubertin, D. A. Tompkins, A. E. Frye, L. S. Holt, Sr., J. W. Jones, W. Kirshbanm, Longmans, Green & Co., M. A. McLanchlin, J. P. McLean, C. H. Mebane, Nash Bros., J. T. Pullen, Putnam's Sons, C. L. Raper, Rumford & Co., Scribners, W. A. Shepherd, M. O. Sherrill, Benj. Sledd, S. W. Stockard, C. H. Swan, Trustees of Slater fund, D. H. Tuttle, H. G. Waldin, Admiral Walker, G. T. Winston, F. P. Venable, Asso. Amer. Med. Colleges, Cambria Steel Co., Chicago B'd of Education, Indiana Hist. Society, John Crerar Library, N. C. B'd of Health, N. C. B'd. of Public Charities, N. C. Bureau of Labor and Printing, N. C. Geological Survey, N. C. Society of Colonial Dames, N. C. State Government through the Secretary of State and other officials, N. J. Hist. Society, Ohio Hist. Society, Philosophical Society of Washington, S. C. State Government, Smithsonian Institution, State B'd of Charities of Mass., State Library of N. J., State Library of N. Y., Supt., Public Instruction of Michigan, Supt. Pub. Documents, U. S. Government through various Bureaus, Union Club, Y. M. C. A. of U. of N. C., Yale Corporation, Advocate of Peace, Alamance Gleaner, American Debater, American Economist, Asheville Citizen, Asheville Gazette, Atlantic Educational Journal, Bulletin of University of Virginia, Carolina Medical Journal, Case and Comment, Caucasian, Chapel Hill News, Charity and Children, Charlotte News, Chatham Record, Christian Advocate, Church Standard, Cleveland Star, Columbia University Quarterly, Commonwealth, Confederate Veteran, Democratic Banner, Duplin Journal, Everybody's Magazine, Exchanges of University of North Carolina Magazine, Fayetteville Observer, Fisherman and Farmer, Franklin Times, Gospel Messenger, Green County Standard, Greensboro Telegram, Henderson Times, Homiletic Review, King's Weekly, Lenoir Topic, Manufacturer's Record, Mooresville Enterprise, Music Life, N. C. Law Journal, Newton Enterprise,

Normal Instructor, Philadelphia Public Ledger, Polk County News, Presbyterian Standard, Progressive Farmer, Raleigh Times, Red Springs Banner, Reidsville Review, Religious Herald, Richmond Times, Roanoke-Chowan Times, Salvation, Smithfield Herald, Sound Currency, Southern Presbyterian, Statesville Landmark, Statesville Mascot, Sunset, Technology Review, Texas Quarterly, Trinity Archives, Twin-City Daily Sentinel, Virginian Pilot, Waynesville Courier, Webster's Weekly, Weekly Times, Williamston Enterprise, Wilmington Messenger, Wilmington Star, Wilson Times, Windsor Ledger, Missionary Review and N. C. Corporation Committee.

THE GYMNASIUM.

EDWARD VON DEN STEINEN, *Instructor in Physical Culture.*

Memorial Hall is used as the University Gymnasium, affording a practically unlimited supply of air, light and space for all sorts of gymnastic exercises. Inside of the hall is a running track one sixteenth of a mile long and there is an abundant supply of improved gymnastic apparatus. Exercise in the Gymnasium is required three hours a week of all the members in College except Seniors. A thorough physical examination of each student is made in the fall, and, in case the student desires it, another in the spring. The measurements are indicated in a Prescription of Exercise pamphlet and are furnished to the students free of charge in the fall term. This book contains directions for the developing of every part of the body as well as suggestions on hygiene and personal care of the body; it is free from technicalities and confusing terms. Too much importance cannot be attached to the physical examinations, since it enables the student to work intelligently and economize his time. The physical examination is designed to aid the student by pointing out defects, and causing him to direct his efforts toward the correction of them.

LABORATORIES AND MUSEUMS.

THE PHYSICAL LABORATORY.

JOSHUA WALKER GORE, C.E., DIRECTOR and *Professor of Physics.*
JAMES EDWARD LATTA, A.M., *Instructor in Physics.*

The Physical Laboratory occupies the eastern half of the first floor of the Alumni Building, consisting of a lecture room, an apparatus room, a main laboratory and a smaller laboratory for advanced work in electricity; and the eastern half of the basement of the same building, consisting of a work shop, a storage room, a battery room and a room designed for a dynamo and motor laboratory. The entire floor space is about five thousand square feet.

The laboratory is provided with the apparatus needed for illustrating the several courses offered, and is supplied with gas, water and electricity. The laboratory is also quite well provided with apparatus for the experimental work required in the general course, Physics 1; with instruments of precision for electrical and magnetic measuring and testing; and with the equipment needed for X-ray and wireless telegraphy experimentation.

The electric light and central heating plants form a valuable adjunct to the physical laboratory.

THE CHEMICAL LABORATORY.

CHARLES BASKERVILLE, PH.D., DIRECTOR and *Smith Professor of General and Industrial Chemistry.*

FRANCIS PRESTON VENABLE, PH.D., *Professor of Theoretical Chemistry.*

ALVIN SAWYER WHEELER, PH.D., *Associate Professor of Organic Chemistry.*

JAMES EDWARD MILLS, PH.D., *Instructor in General and Physical Chemistry.*

ROYALL OSCAR EUGENE DAVIS, PH.B., *Assistant in Analytical Chemistry.*
HUGH HAMMOND BENNETT, *Assistant in the Laboratory.*
BRENT SKINNER DRANE, *Assistant in Charge of the Store Room.*

The building formerly known as Person Hall is now used as the Chemical Laboratory. It has been greatly added to and forms a convenient and well-arranged system of laboratories for a limited number of workers. The rooms are eleven in number and contain about six thousand square feet of floor space. The pitch of the rooms is twenty feet, and they are lighted by numerous large windows, five feet by ten in size. Thus good ventilation and light are secured.

There is a large lecture room with a seating capacity of one hundred and forty. The sides and rear of the rooms have glass cases for the display of a handsome line of specimens, scientific and technical. The room is lighted by electricity. In addition to its use as a lecture room, it is used as a place of meeting by the Elisha Mitchell Scientific Society.

Adjoining the lecture room is the private laboratory of the Director, and a smaller room for the storage of specimens and finer apparatus. The west wing of the laboratory is divided into laboratories for qualitative and quantitative analysis, furnishing desk-space for sixty-one and twenty-eight students respectively. These laboratories are provided with hoods for carrying off noxious gases. There is a small room also, cut off from the other laboratories, in which dangerous or disagreeable experiments may be performed.

The rear portion of the laboratory is almost a reproduction of the front in size and outline. It is divided into a balance room, containing nine modern balances and one assay balance, a library, a room with desk-space for five advanced students in quantitative analysis and research, an assay room provided with a set of gas furnaces, a laboratory for toxicological, physiological or other special work, and a storeroom. In the assay room is placed a large still, which provides an abundance of distilled water.

The laboratories are supplied with gas and water. The expenditures for apparatus amounted to nineteen hundred dollars during the past session and will average fifteen hundred dollars annually. Recently apparatus for gas analysis and many lines of technical work have been purchased; also a new vacuum pump, electric furnace, Steinheil grating, spectroscope and other apparatus for refined and accurate work.

THE BIOLOGICAL LABORATORY AND MUSEUM.

Henry van Peters Wilson, Ph.D., Director and *Professor of Biology.*
....., *Associate Professor of Botany.*
Clarence Albert Shore, S.B., *Instructor in Biology.*
Dorman Steele Thompson, Ph.B., *Assistant in Biology.*

The Biological Laboratory occupies the upper floor of the New East Building, and includes a lecture room, a main laboratory, two smaller laboratories for advanced students, a private workroom and a storeroom. The entire floor space is something over four thousand square feet.

The equipment is especially adapted to the needs of modern microscopical work, and includes compound and dissecting microscopes, microtomes, paraffin and hot air baths, incubator, camera lucidas, immersion lenses, etc. All rooms in the laboratory are supplied with running water. In addition to the sinks, there are several large aquarium tables in which living animals may be kept for breeding purposes, study of their habits, or class work.

The museum collections are arranged in cases in the main laboratory. The marine fauna of the Atlantic coast is well represented. There are very serviceable collections of bird skins, bird eggs, insects and flowering plants. Students engaged in advanced work have access to microscopic preparations, illustrating the anatomy and development of sponges and corals, the histology of medusae, the development of teleosts and other objects of morphological interest. The departmental library includes many valuable books of reference, treatises and zoölogical journals.

THE GEOLOGICAL LABORATORY AND MUSEUM.

Collier Cobb, A.M., Director and *Professor of Geology and Mineralogy.*
Robert Gilliam Lassiter, *Assistant in Geology.*
Robert Arthur Lichtenthaeler, *Assistant in Geology.*

The Geological Laboratory occupies the first floor of the New East Building. In addition to a lecture room with a seating capacity of about ninety students, there is a large laboratory supplied with working collections of

minerals, rocks and fossils, and with photographs, maps and models illustrating geological structure. The laboratory is furnished with two petrographical microscopes, and with apparatus for the slicing and polishing of rocks. Microscopic slides have been made of most of the specimens from North Carolina; and the department has, also, sections of the typical European rocks. Sections of the rocks around Chapel Hill, and the igneous rocks of the Boston Basin, made by the late Hunter Lee Harris, of the class of 1889, were given to the geological department. A room for photographic work has recently been added.

The University possesses a collection of more than two thousand specimens of typical rocks and minerals from various European localities, and of large specimens of building stones, coals and various products illustrating the economic geology of the State. These are arranged in an exhibition room of six hundred and fifty square feet of floor space. Here are kept also the sections taken with a diamond drill in the coal regions of Pennsylvania, in the region round King's Mountain, where the Summer School in Geology held its sessions, in the Dan River coal fields and in the Triassic Rocks at Durham, N. C. A complete set of the ores of the precious metals found along the line of the Atchison, Topeka & Santa Fé Railroad is included in the collection. Valuable additions have been made to the collections of fossils also, affording increased opportunity for laboratory work in historical geology and palæontology. The collection illustrating economic geology has been largely increased.

The departmental library, which occupies a room adjoining the exhibition room, is supplied with State and United States Reports, the papers of working geologists, the best works upon Geology, and scientific periodicals.

THE UNIVERSITY ORGANIZATIONS.

THE DIALECTIC AND PHILANTHROPIC LITERARY SOCIETIES.

The Dialectic and Philanthropic Literary Societies were organized in 1795, the year of the opening of the University. Their existence has been inseparably linked with that of the University, and they have shown remarkable power in developing character as well as in training the intellect. They offer facilities for practice in debate, oratory, declamation and essay writing; and their members become practically familiar with parliamentary law and usage.

Each society owns a large, handsomely furnished hall, the walls of which are hung with oil portraits of illustrious members. Meetings are held by each society every Saturday night during the college year, admission being confined to members. Public contests in debate between the two societies are conducted twice a year. During Commencement week, each society holds its own annual festival, upon which occasion medals are awarded for excellence in debate, oratory, declamation and essay writing. On Tuesday night preceding Commencement four representatives elected from the two societies have a public competition in debate, and a prize is awarded to the successful competitors.

By immemorial custom, students from the eastern half of the State usually join the Philanthropic Society, while those from the western half join the Dialectic Society. Although membership in the societies is entirely optional, yet it is earnestly recommended by the Faculty as furnishing unusual opportunities not only for literary culture, but also for the development of self-control and the power to persuade and control others.

THE ELISHA MITCHELL SCIENTIFIC SOCIETY.

Henry van Peters Wilson, Ph.D., *President.*
Alvin Sawyer Wheeler, Ph.D., *Vice-President.*
Francis Preston Venable, Ph.D., *Permanent Secretary and Treasurer.*
Charles Baskerville, Ph.D., *Recording Secretary.*

The Elisha Mitchell Scientific Society holds monthly meetings during the college year for the discussion of scientific subjects. A journal is issued semi-annually. The object of the Society is to encourage scientific research and to record such matters as pertain to the natural history of the State. The membership is at present restricted to the faculty and students of the University, and members of the staff of the Geological Survey.

At the monthly meetings, which are ordinarily held on the second Tuesday of each month, excellent opportunities are afforded the students to get beyond the ordinary routine of the class room by hearing, reading and discussing papers on scientific subjects.

The Journal is in a measure a bulletin of the scientific laboratories of the University, and contains many articles written by students. It is now in the fourteenth year. The volumes already issued contain fourteen hundred pages. By the exchange of the journal with more than three hundred scientific journals and periodicals, over ten thousand books and pamphlets have been collected, all of which are arranged in the University Library.

THE NORTH CAROLINA HISTORICAL SOCIETY.

Kemp Plummer Battle, LL.D., *President.*
Charles Lee Raper, Ph.D., *Vice-President.*
Marcus Cicero Stevens Noble, *Treasurer.*
Edward Duncan Sallenger, *Secretary.*

The North Carolina Historical Society was founded in 1843 by the Hon. David L. Swain, LL.D., President of the University. Under his leadership it became the centre of historical work in the State and the medium of many notable contributions to State history. On March 22, 1875, through the activity of Dr. Battle, the Society was chartered by an act of the Gen-

eral Assembly. The purpose of the Society is to collect, classify, investigate and publish material illustrative of the history of the State. The Historical Society possesses a valuable collection of books, pamphlets, manuscripts, newspaper files, coins and other subjects of historic interest. The educational aim of the Society is to create a love of historical study and to give training in scientific methods of historical investigation. To this end meetings are held monthly in the History lecture room, at which papers, based on original reserch, are read and discussed. All members of the University are eligible to membership.

THE SHAKSPERE CLUB.

Thomas Hume, D.D., LL.D., *President.*
Edward Kidder Graham, Ph.B., *Vice President.*
John Christoph Blucher Ehringhaus, A.B., *Secretary.*

The Shakspere Club was organized in October, 1885, for the special purpose of giving impulse and guidance to scholarly investigation of the great dramatist. But an important aim was to offer opportunity for comparative studies in the dramatic literature of ancient and foreign languages, and also to excite interest in the art of literary composition. Seminary methods are pursued by advanced students, and the results are presented in papers. The club has a small but valuable collection of special reference books.

THE YOUNG MEN'S CHRISTIAN ASSOCIATION.

Allan Denny Ivie, *President.*
Zebulon Vance Judd, *Vice President.*
Curtis Ashley Bynum, *Recording Secretary.*
George Phifer Stevens, *Corresponding Secretary.*
Wade Hampton Mann, *Treasurer.*

The Young Men's Christian Association is a voluntary organization of the students in the University, and is entirely under their management.

The Faculty are in sympathy with the Association, and render service whenever requested to do so.

The object of the Association is to promote growth in grace and Christian fellowship among its members and aggressive Christian work among the students. To this end one or more meetings are held every week. There is a class devoted to the study of missions and the discussion of missionary work. Four or more Bible classes are devoted to personal work, devotional, topical and historical study. Professor Battle delivers a half-hour lecture each Sunday morning on the historical aspect of the Bible. An efficient committee look after the welfare of the sick in the University and see that they lack no comfort nor convenience.

A vigorous movement is on foot to raise ten thousand dollars for a Y. M. C. A. building. Nearly this amount has already been subscribed by the students and by others interested in the work.

Near the opening of the College year, the Association gives its annual reception to students entering the University.

ONE HUNDRED AND SIXTH COMMENCEMENT (1901).

JUNE 2, BACCALAUREATE SERMON.

Reverend Carter Helm Jones, D.D.

JUNE 4.

THE ALUMNI ADDRESS, BY HON. LOCKE CRAIG.

THE DEBATE BY REPRESENTATIVES FROM THE DIALECTIC AND PHILANTHROPIC LITERARY SOCIETIES.

Dialectic Society.	*Philanthropic Society.*
Guy Vernon Roberts,	Simon Justus Everett,
Henry Moring Robins.	Edward Duncan Sallenger.

JUNE 5, COMMENCEMENT.

SENIOR SPEAKING.

Charles Paul Coble,	Dorman Steele Thompson,
Wiley Hampton Swift,	Emmett Clive Willis.

THE COMMENCEMENT ADDRESS.

JAMES H. KIRKLAND, LL.D.,
Chancellor of Vanderbilt University.

DEGREES.

Bachelor of Arts.

Eben Alexander,
Joseph Emery Avent,
Philip Hall Busbee,
Charles Paul Coble,
James Sion Cook,
Calvin Duvall Cowles, Jr.,
Bayard Thurman Cowper,
John Christoph Blucher Ehringhaus,
Archibald Wright Graham,
Emmett Carlyle Gudger,
James King Hall,
Wilton Daniel Harrington,
Metrah Makeley, Jr.,
William Alexander Murphy,
Nathaniel Gross Newman,
Frank Bisaner Rankin,
William McLelland Stevenson,
Kenneth Bayard Thigpen.

Bachelor of Philosophy.

Edward Barham Cobb,
Palmer Cobb,
James Robert Conley,
Royall Oscar Eugene Davis,
William Davis,
Arthur Worth Hardin,
John Lory Harris,
Robert Franklin Jenkins,
Luren Thomas Johnson,
Seaton Gales Lindsay,
Claude Robertson McIver,
John Wesley Roberts, Jr.,
Benjamin Smith Skinner,
Nathaniel Cooper Starke,
Luke Leary Stevens,
John Frank Stokes,
Wiley Hampton Swift,
Dorman Steele Thompson,
John William Turrentine,
Emmett Clive Willis.

Bachelor of Science.

Neill Robert Blackman,
Baird Urquhart Brooks,
Robert Lindsay Ellington,
Andrew Allgood Holmes,
John Gerald Murphy,
Aldert Smedes Root,
Clarence Albert Shore,
Wesley Bethel Speas,
David Maxwell Swink,
Herman Weil.

Bachelor of Laws.

Plummer Stewart, Orlando Hobson Sumpter,
Kingsland Van Winkle.

Master of Arts.

Alfred Rives Berkeley, A.B., 1900.
Benjamin Benson Lane, A.B., 1899.
James Edward Latta, Ph.B., 1899.
David Preston Parker, A.B., 1900.

Doctor of Philosophy.

Archibald Henderson, A.B., 1898, A.M., 1899.
James Edward Mills, A.B., Davidson College, 1896, A.M.; Ibid., 1900.

CERTIFICATES.

GREEK: James King Hall, Alonzo Commodore Kerley, Susan Williams Moses, Kenneth Bayard Thigpen.

LATIN: James Robert Conley, William Davis, James King Hall, Benjamin Benson Lane, Susan Williams Moses, Kenneth Bayard Thigpen.

GERMAN: Palmer Cobb, Susan Williams Moses, Clarence Albert Shore.

FRENCH: Palmer Cobb, Susan Williams Moses, Luke Leary Stevens.

ENGLISH: J. C. B. Ehringhaus, John Frank Stokes.

PHYSICS: Robert Franklin Jenkins, David Maxwell Swink.

CHEMISTRY: Royall Oscar Eugene Davis.

BIOLOGY: Clarence Albert Shore, John William Turrentine.

GEOLOGY: Emmett Carlyle Gudger.

PEDAGOGY: Joseph Emery Avent, James Robert Conley, Benjamin Smith Skinner, Wiley Hampton Swift.

MEDALS AND PRIZES.

THE HOLT MEDAL: Richard Nixon Duffy.

THE HUME MEDAL: Luke Leary Stevens.

THE HILL PRIZE: Edward Duncan Sallenger.

THE HARRIS PRIZE: Emory Graham Alexander, James King Hall.

THE GREEK PRIZE: John Reston Giles.

THE WORTH PRIZE: David Maxwell Swink.

THE DEBATERS' PRIZE: The Philanthropic Society, represented by Simon Justus Everett and Edward Duncan Sallenger.

THE BRADHAM PRIZE: James Mack Cutchins, Jr.

THE MANGUM MEDAL: Dorman Steele Thompson.

THE ASSOCIATION OF THE ALUMNI.

THE GENERAL ASSOCIATION.

THOMAS S. KENAN, A.B., *President.*
HENRY A. LONDON, A.B., *Secretary.*

The membership includes all persons who have matriculated at the University of North Carolina in all departments except the Summer School and all who are or have been officers of the institution.

An effort is now making to accomplish a more thorough organization of the Alumni. The desire is that the individual alumni shall form into Local Alumni Associations in every community. These Local Associations are to form by proportional representation the General Association of the Alumni. The meeting of the General Association will be held in Gerrard Hall at the University at the next Commencement in June, 1902. Local Associations have been formed in certain cities and others will be established in the course of the year. It is hoped that every alumnus will concern himself in assisting the organization in his county or town. A printed statement of the plan of organization has been prepared and will be supplied on request. Inquiries should be directed to Mr. James C. Taylor, Secretary of the Alumni, Chapel Hill, N. C.

SUMMARY.

Boards of Government and Instruction and Other Officers.

Trustees		80
Professors	30	
Instructors	15	
Assistants	13	
		— 58
Summer School Faculty	31	
Other Officers	6	

Students.

THE COLLEGE:—		
Graduate Students	22	
Senior Class	51	
Junior Class	84	
Sophomore Class	98	
Freshman Class	160	
		—415
THE LAW DEPARTMENT:—		
Second-Year Students	17	
First-Year Students	44	
		— 61
THE DEPARTMENT OF MEDICINE:—		
Second-Year Students	18	
First-Year Students	44	
		— 62
THE DEPARTMENT OF PHARMACY:—		
Second-Year Students	13	
First-Year Students	16	
		— 29
THE SUMMER SCHOOL		92
Whole number of students		659
Names inserted twice		8
		651

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